

Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269



Scaled data based on original data using
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions

Brand: METALUX

Report Number: P1444369

Luminaire Tested: EHBR1-12-UNV-TA-L840-UPL40

Issue Date: 5/1/2026

Test Information

Test Method: LM-79-2019
Report Number: P1444369
REPORT IS A COMBINATION OF REPORTS P1444354 AND P1431635
Test Lab: INNOVATION CENTER
Issue Date: 5/1/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: METALUX
Catalog Number: EHBR1-12-UNV-TA-L840-UPL40
Description: Elevate Round Highbay at, 12000 lumens, 4000K 80CRI LEDs with TA lens
Light Source: -
Ballast/Driver: -

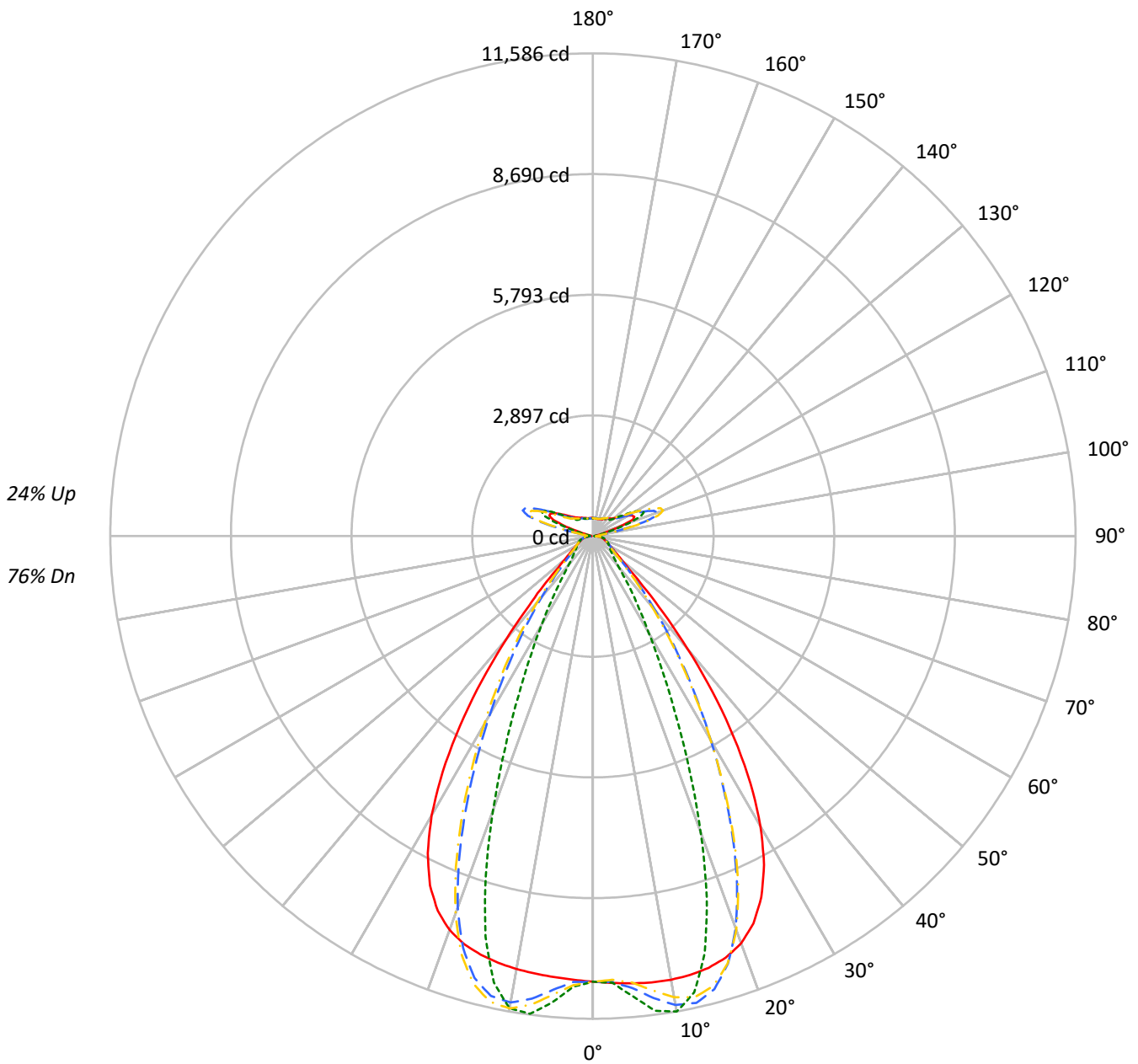
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 16296.3 lumens
Efficiency: N/A
Efficacy: 171.0 lumens/watt
Spacing Criteria (0/90/45): 1.13 / 0.77 / 0.88
Luminous Opening: Vertical Cylinder (Dia: 1.71' x H: 0.1')
CIE Type: Semi-Direct

Input Watts (W): 95.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT

TEST NUMBER: P1444369
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Luminous Intensity Polar Plot



— 0°-180° - - 45°-225° - · - · 90°-270° - · - · 135°-315°



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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20				
RC	80				70				50				30				10			0	
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																					
0	113	113	113	113	108	108	108	108	98	98	98	88	88	88	80	80	80	80	80	80	76
1	106	102	99	96	101	98	95	92	89	87	85	81	80	78	74	73	72	74	73	72	68
2	99	93	88	83	94	89	84	81	82	78	75	75	72	70	69	67	65	69	67	65	62
3	92	85	78	74	88	81	76	71	75	71	67	69	66	63	64	61	59	64	61	59	56
4	86	77	71	66	83	75	69	64	69	64	61	64	60	57	60	57	54	60	57	54	52
5	81	71	64	59	78	69	63	58	64	59	55	60	56	53	56	53	50	56	53	50	48
6	76	66	59	54	73	64	57	53	60	54	51	56	52	48	52	49	46	52	49	46	44
7	72	61	54	49	69	59	53	48	56	50	47	52	48	45	49	46	43	49	46	43	41
8	68	57	50	46	65	55	49	45	52	47	43	49	45	41	46	43	40	46	43	40	38
9	64	53	47	42	61	52	46	41	49	44	40	46	42	39	44	40	37	44	40	37	36
10	60	50	43	39	58	48	43	39	46	41	37	44	39	36	41	38	35	41	38	35	33

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	50226	50226	50226	50226
5°	50469	51940	49763	52621
10°	50890	54534	49670	54173
15°	51140	49435	49583	47444
20°	50611	36827	48955	34074
25°	47906	23291	46322	21132
30°	41849	13996	40228	12791
35°	32207	8782	30355	7779
40°	20374	5509	18641	5177
45°	10502	4292	10327	4221
50°	6157	3818	5968	3758
55°	4717	3612	4543	3579
60°	3991	3690	3821	3642
65°	3749	3853	3605	3722
70°	3663	4034	3479	3882
75°	3917	4279	3704	4090
80°	4053	4737	3673	4325
85°	3817	4571	3081	3913

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 25°
 Vertical Angle: 45°
 Luminance: 16071 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1054.0	6.5
10°-20°	2965.1	18.2
20°-30°	3377.0	20.7
30°-40°	2427.3	14.9
40°-50°	1119.5	6.9
50°-60°	535.7	3.3
60°-70°	390.9	2.4
70°-80°	297.0	1.8
80°-90°	142.0	0.9
90°-100°	107.4	0.7
100°-110°	685.4	4.2
110°-120°	1267.6	7.8
120°-130°	757.7	4.6
130°-140°	464.0	2.8
140°-150°	325.7	2.0
150°-160°	215.1	1.3
160°-170°	123.8	0.8
170°-180°	41.2	0.3
0°-30°	7396.2	45.4
0°-40°	9823.5	60.3
0°-60°	11478.6	70.4
0°-90°	12308.4	75.5
90°-120°	2060.4	12.6
90°-150°	3607.8	22.1
90°-180°	3988.0	24.5
0°-180°	16296.3	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	10695	10695	10695	10695	10695	
5°	10776	11090	10625	11235	10776	1030
15°	10729	10371	10402	9954	10729	3023
25°	9567	4651	9250	4220	9567	4337
35°	5911	1612	5571	1428	5911	3628
45°	1699	694	1671	683	1699	1445
55°	637	488	614	484	637	588
65°	391	402	376	388	391	391
75°	276	301	261	288	276	287
85°	131	157	106	134	131	123
90°	58	67	33	35	58	33
95°	50	56	50	56	50	48
105°	240	316	158	316	240	321
115°	1098	1347	1151	1347	1098	1013
125°	801	865	910	865	801	730
135°	596	551	644	552	596	466
145°	501	506	536	508	501	317
155°	447	459	480	460	447	208
165°	426	433	445	434	426	122
175°	426	432	435	433	426	41
180°	431	431	431	431	431	



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CANDELA DISTRIBUTION (FULL):

	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°	20°	22.5°	25°
0°	10695.2	10695.2	10695.2	10695.2	10695.2	10695.2	10695.2	10695.2	10695.2	10695.2	10695.2
2.5°	10736.1	10735.3	10735.1	10734.3	10734.1	10734.1	10733.7	10732.8	10732.3	10731.1	10729.7
5°	10775.9	10775.4	10775.7	10775.8	10775.0	10773.4	10770.8	10767.5	10763.5	10759.7	10756.3
7.5°	10806.7	10807.5	10808.4	10808.2	10805.9	10802.0	10796.6	10793.6	10795.4	10801.2	10814.6
10°	10812.3	10817.0	10818.7	10818.2	10813.6	10810.1	10811.4	10822.7	10845.3	10875.4	10916.6
12.5°	10790.4	10796.1	10795.9	10794.0	10789.4	10794.1	10810.5	10844.2	10892.6	10951.9	11021.5
15°	10728.9	10736.2	10734.1	10731.7	10728.7	10743.7	10776.5	10835.1	10909.8	10993.5	11079.1
17.5°	10609.3	10618.2	10613.9	10611.1	10608.6	10636.9	10693.3	10779.0	10873.1	10967.7	11049.0
20°	10402.1	10407.9	10397.7	10393.0	10397.0	10452.4	10535.5	10645.1	10744.1	10833.6	10889.1
22.5°	10063.8	10071.1	10052.0	10049.7	10073.4	10158.5	10263.4	10385.9	10479.1	10550.1	10571.4
25°	9566.7	9573.9	9551.2	9564.7	9605.0	9721.0	9846.0	9977.0	10056.5	10109.1	10094.5
27.5°	8895.7	8902.4	8880.8	8908.6	8972.1	9124.5	9271.7	9413.8	9484.6	9521.4	9474.8
30°	8049.6	8063.3	8037.8	8076.5	8173.5	8371.5	8540.1	8699.4	8770.0	8798.1	8725.4
32.5°	7044.6	7064.1	7036.1	7093.7	7229.0	7466.7	7658.2	7836.3	7914.4	7946.4	7864.3
35°	5911.2	5939.1	5906.9	5993.4	6160.2	6425.0	6637.1	6835.9	6928.4	6973.7	6891.1
37.5°	4710.3	4737.0	4719.5	4834.8	5018.2	5292.5	5509.0	5723.5	5828.0	5896.0	5830.8
40°	3531.3	3555.7	3568.8	3700.8	3873.2	4131.9	4339.7	4551.9	4668.8	4754.2	4714.0
42.5°	2492.4	2517.0	2561.9	2689.2	2832.9	3047.0	3225.1	3415.6	3527.3	3618.4	3602.8
45°	1699.1	1727.5	1783.7	1887.9	1992.0	2145.5	2276.3	2424.5	2515.7	2599.2	2600.2
47.5°	1190.6	1210.6	1260.8	1332.0	1399.8	1592.1	1600.0	1672.8	1734.1	1796.5	1804.6
50°	917.6	929.6	956.2	996.0	1034.3	1084.3	1130.0	1182.7	1220.5	1254.7	1262.9
52.5°	754.2	761.8	775.4	796.9	819.1	846.3	870.8	899.7	920.3	938.6	942.4
55°	637.4	643.7	663.9	668.1	693.5	698.4	709.3	726.9	738.9	749.8	752.6
57.5°	549.3	553.9	558.2	567.4	575.2	586.6	595.8	608.4	616.0	623.9	624.6
60°	479.8	483.1	486.1	492.5	497.8	505.8	512.2	520.7	526.1	532.0	532.8
62.5°	428.0	430.4	432.5	436.7	440.4	446.6	451.6	458.8	463.8	468.4	469.4
65°	391.3	393.0	394.3	397.4	400.8	406.0	410.6	416.4	420.1	423.7	424.4
67.5°	358.7	360.3	361.7	364.6	366.9	370.8	373.8	378.3	381.0	383.8	383.9
70°	321.4	322.9	323.9	326.6	328.4	331.8	334.3	338.2	341.0	344.2	345.0
72.5°	295.5	296.4	297.8	300.3	302.8	306.4	309.7	313.8	317.2	320.6	321.9
75°	275.9	276.9	277.8	279.9	281.7	284.7	287.2	290.9	293.9	297.5	299.2
77.5°	247.5	248.7	249.5	251.5	253.2	256.0	257.8	261.2	263.7	266.9	268.4
80°	213.2	214.3	214.9	216.8	218.0	220.8	222.5	225.8	227.8	231.0	232.9
82.5°	175.2	176.3	176.6	178.5	179.1	181.3	182.6	186.0	188.5	192.6	195.4
85°	131.2	131.6	132.2	131.7	134.4	134.5	137.5	138.1	142.1	143.1	147.6
87.5°	80.2	81.4	81.9	83.7	84.6	86.4	87.0	88.9	90.0	92.2	93.2
90°	57.9	61.4	63.7	67.5	69.7	73.3	75.4	79.2	81.4	85.3	89.3
92.5°	43.1	46.2	49.2	52.6	55.7	59.1	62.4	65.7	68.8	72.1	78.5
95°	49.6	53.3	56.9	60.5	64.2	67.7	71.3	75.0	78.6	82.2	92.8
97.5°	62.9	66.0	69.1	72.2	75.4	78.6	81.7	84.9	88.0	91.1	103.7
100°	82.7	85.4	88.1	90.7	93.3	96.1	98.7	101.3	104.0	106.7	130.1
102.5°	139.7	149.1	158.6	168.0	177.4	186.9	196.3	205.6	215.1	224.5	274.1
105°	240.3	265.9	291.6	317.0	342.7	368.3	393.9	419.3	445.0	470.6	551.3
107.5°	414.9	462.1	509.4	556.9	604.2	651.5	698.8	746.3	793.5	840.8	922.7
110°	772.4	810.4	848.6	886.7	924.8	963.0	1001.1	1039.2	1077.3	1115.4	1175.3



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CANDELA DISTRIBUTION (continued):

	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°	20°	22.5°	25°
112.5°	1043.0	1060.3	1077.7	1095.0	1112.3	1129.7	1146.9	1164.2	1181.6	1198.9	1241.8
115°	1098.5	1104.7	1110.9	1117.1	1123.3	1129.6	1135.7	1141.9	1148.1	1154.2	1183.4
117.5°	1063.0	1062.1	1061.4	1060.5	1059.6	1058.7	1057.9	1056.9	1056.1	1055.2	1071.8
120°	986.2	981.3	976.3	971.3	966.3	961.4	956.4	951.4	946.3	941.2	948.6
122.5°	890.1	884.2	878.3	872.3	866.3	860.3	854.3	848.2	842.2	836.2	839.4
125°	800.6	794.7	788.7	782.8	776.6	770.7	764.6	758.6	752.4	746.4	748.4
127.5°	722.1	718.1	714.1	709.9	705.9	701.7	697.5	693.4	689.2	685.0	685.9
130°	669.9	666.2	662.7	659.1	655.4	651.7	648.1	644.3	640.7	636.9	638.3
132.5°	626.2	623.9	621.5	619.0	616.6	614.0	611.7	608.9	606.5	604.0	605.5
135°	595.7	593.6	591.5	589.2	586.9	584.7	582.4	580.0	577.8	575.3	577.2
137.5°	569.4	567.5	565.5	563.6	561.6	559.5	557.5	555.5	553.3	551.2	553.0
140°	545.2	543.5	541.7	540.0	538.3	536.5	534.7	532.9	530.9	529.1	531.2
142.5°	518.6	517.4	516.3	514.9	513.8	512.4	511.1	509.6	508.3	506.9	509.5
145°	500.6	499.7	498.7	497.6	496.6	495.5	494.5	493.3	492.2	491.2	493.9
147.5°	484.6	483.9	483.2	482.5	481.8	480.9	480.1	479.3	478.5	477.6	480.2
150°	470.6	469.9	469.3	468.6	467.8	467.0	466.2	465.5	464.6	463.7	466.5
152.5°	456.4	455.7	455.1	454.4	453.6	452.8	452.1	451.3	450.5	449.7	452.0
155°	446.7	446.0	445.3	444.7	444.0	443.2	442.3	441.7	440.9	440.1	442.1
157.5°	439.3	438.9	438.5	438.0	437.5	437.0	436.5	436.0	435.5	435.1	436.5
160°	434.3	433.9	433.4	433.0	432.5	432.0	431.5	431.0	430.5	430.1	431.3
162.5°	429.3	428.9	428.4	428.0	427.5	427.0	426.5	426.1	425.6	425.1	426.6
165°	426.5	426.3	426.1	425.9	425.7	425.5	425.3	425.1	424.9	424.7	425.7
167.5°	427.9	427.5	427.1	426.7	426.2	425.9	425.4	425.0	424.6	424.1	425.2
170°	426.9	426.7	426.6	426.5	426.3	426.2	426.1	425.9	425.7	425.6	426.5
172.5°	427.8	427.6	427.5	427.5	427.3	427.2	427.1	427.0	426.9	426.8	427.7
175°	426.4	426.2	426.2	426.1	426.0	426.0	425.9	425.8	425.8	425.7	426.3
177.5°	428.9	428.8	428.8	428.8	428.8	428.8	428.7	428.6	428.6	428.6	429.1
180°	431.4	431.4	431.4	431.4	431.4	431.4	431.4	431.4	431.4	431.4	431.4



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CANDELA DISTRIBUTION (continued):

	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°	47.5°	50°	52.5°
0°	10695.2	10695.2	10695.2	10695.2	10695.2	10695.2	10695.2	10695.2	10695.2	10695.2	10695.2
2.5°	10728.7	10727.4	10725.6	10723.3	10721.4	10719.1	10713.8	10712.1	10714.0	10715.2	10717.6
5°	10754.1	10754.9	10755.2	10760.1	10764.3	10774.8	10857.0	10889.7	10915.1	10931.1	10955.5
7.5°	10831.0	10855.7	10880.2	10913.1	10941.5	10979.8	11123.8	11185.1	11228.7	11259.9	11298.5
10°	10961.3	11015.3	11065.9	11125.1	11176.2	11234.5	11368.5	11428.2	11466.0	11493.4	11518.9
12.5°	11092.4	11167.3	11235.0	11301.0	11356.2	11406.8	11454.0	11474.9	11476.6	11477.5	11463.9
15°	11160.9	11232.4	11292.0	11335.6	11368.1	11382.4	11301.3	11258.7	11204.9	11160.6	11087.7
17.5°	11117.7	11160.6	11186.4	11183.9	11170.4	11125.5	10895.8	10769.4	10643.8	10530.7	10382.5
20°	10926.0	10922.6	10900.2	10836.8	10760.4	10641.4	10247.4	10020.1	9800.3	9607.3	9373.1
22.5°	10569.3	10513.2	10434.9	10298.1	10146.0	9938.3	9373.7	9039.2	8733.3	8463.0	8160.2
25°	10052.5	9936.9	9792.6	9575.4	9339.2	9036.2	8340.3	7924.4	7557.0	7238.4	6889.0
27.5°	9391.0	9217.0	9005.5	8704.8	8384.9	7996.7	7225.1	6766.2	6371.7	6030.2	5658.4
30°	8607.9	8381.7	8108.6	7735.4	7349.4	6909.1	6126.6	5661.7	5262.5	4911.1	4539.0
32.5°	7723.0	7458.0	7138.0	6719.1	6301.7	5849.1	5093.3	4643.3	4262.0	3923.9	3587.1
35°	6746.9	6462.7	6124.2	5697.0	5282.0	4842.0	4148.5	3742.8	3406.1	3107.2	2835.3
37.5°	5699.9	5421.0	5099.1	4696.5	4311.8	3912.9	3314.6	2974.5	2692.0	2444.0	2234.0
40°	4611.3	4367.3	4088.8	3740.7	3412.3	3080.2	2589.0	2319.1	2096.1	1907.0	1749.6
42.5°	3536.0	3346.9	3133.3	2858.3	2607.1	2354.1	1976.1	1776.1	1611.0	1474.8	1363.6
45°	2565.6	2439.0	2295.8	2104.6	1930.7	1754.2	1485.2	1344.7	1237.1	1149.4	1075.1
47.5°	1793.5	1720.0	1715.6	1538.8	1411.4	1303.5	1130.2	1041.4	975.5	922.3	875.3
50°	1259.5	1224.0	1179.8	1116.8	1057.6	996.7	891.0	837.4	798.8	766.5	736.9
52.5°	941.6	923.1	899.6	866.1	834.1	799.8	732.9	698.8	686.7	656.7	633.1
55°	752.0	741.5	728.1	708.4	688.9	681.2	623.9	598.5	582.4	570.6	558.0
57.5°	624.7	616.8	608.8	595.5	584.2	570.6	540.2	527.2	517.6	510.7	501.9
60°	532.9	528.1	523.7	515.9	509.7	502.4	483.1	475.7	470.8	466.6	461.0
62.5°	470.3	467.9	465.6	461.4	458.3	454.4	441.1	437.6	435.1	433.0	429.6
65°	425.2	423.4	422.2	419.3	417.8	415.5	404.1	401.8	400.3	399.5	397.4
67.5°	384.1	382.3	381.5	379.5	378.9	377.4	368.1	366.8	366.3	366.6	365.9
70°	345.8	345.0	345.4	345.1	346.0	346.2	340.6	340.5	341.1	342.4	342.5
72.5°	322.8	322.8	323.2	323.4	324.2	324.6	320.0	319.8	320.0	320.9	320.9
75°	300.9	301.3	302.4	302.8	303.8	304.0	297.9	297.2	297.2	298.0	297.8
77.5°	270.6	271.9	274.1	275.4	277.3	277.6	270.7	269.8	269.9	270.7	270.0
80°	236.2	238.7	242.4	244.9	247.8	248.9	241.9	240.1	238.5	238.3	236.9
82.5°	199.8	202.8	207.1	209.4	212.5	213.2	201.3	199.0	197.7	197.8	196.5
85°	152.5	154.8	158.7	160.0	161.9	161.7	148.1	142.3	143.9	141.5	143.4
87.5°	95.7	97.0	99.5	99.8	100.7	100.5	86.8	84.0	83.2	83.3	82.3
90°	94.7	98.9	104.2	107.5	112.1	115.1	107.3	109.2	105.4	103.2	99.1
92.5°	84.9	91.2	97.6	103.9	110.3	116.7	121.8	127.7	121.1	114.2	107.7
95°	103.5	114.1	124.7	135.4	146.0	156.6	167.3	177.9	168.0	158.0	148.1
97.5°	116.2	128.8	141.4	154.0	166.5	179.1	191.6	204.2	193.6	182.8	172.2
100°	153.6	177.0	200.3	223.8	247.2	270.6	294.1	317.5	296.9	276.4	255.8
102.5°	323.9	373.7	423.5	473.1	522.9	572.7	622.5	672.2	625.1	577.9	530.7
105°	631.9	712.6	793.3	873.8	954.4	1035.1	1115.9	1196.5	1121.1	1045.6	970.3
107.5°	1004.5	1086.3	1168.1	1249.8	1331.8	1413.6	1495.5	1577.5	1503.9	1430.4	1356.9
110°	1235.1	1294.8	1354.7	1414.5	1474.4	1534.1	1594.2	1654.1	1610.0	1565.9	1521.9



TEST NUMBER: P1444369
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CANDELA DISTRIBUTION (continued):

	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°	47.5°	50°	52.5°
112.5°	1284.6	1327.6	1370.5	1413.3	1456.1	1499.1	1542.4	1585.2	1563.3	1541.4	1519.6
115°	1212.4	1241.6	1270.6	1299.6	1328.8	1357.8	1387.2	1416.4	1409.7	1403.0	1396.4
117.5°	1088.2	1104.8	1121.3	1137.7	1154.1	1170.6	1187.7	1204.2	1206.0	1207.7	1209.5
120°	955.8	963.2	970.5	977.7	984.9	992.3	1000.1	1007.5	1014.0	1020.5	1027.1
122.5°	842.4	845.6	848.7	851.9	854.9	858.1	861.9	865.3	870.0	874.9	879.6
125°	750.2	752.1	754.0	755.9	757.7	759.7	762.4	764.4	765.4	766.2	767.2
127.5°	686.8	687.8	688.6	689.7	690.5	691.4	693.2	694.3	692.6	690.8	688.9
130°	639.7	640.9	642.3	643.7	645.2	646.4	648.8	650.4	646.7	642.9	639.2
132.5°	607.1	608.7	610.2	612.0	613.5	615.1	617.7	619.5	615.2	610.7	606.3
135°	579.0	580.9	582.6	584.5	586.2	588.2	591.2	593.3	589.2	584.9	580.7
137.5°	554.7	556.7	558.5	560.4	562.1	564.0	567.2	569.4	566.1	562.8	559.7
140°	533.3	535.4	537.4	539.5	541.5	543.8	547.2	549.6	547.2	544.7	542.1
142.5°	512.0	514.6	517.2	519.8	522.5	525.1	529.1	532.0	530.4	528.6	527.0
145°	496.6	499.6	502.4	505.4	508.2	511.2	515.6	518.8	517.9	517.0	516.0
147.5°	482.7	485.3	488.0	490.6	493.3	496.1	500.4	503.5	503.1	502.6	502.2
150°	468.9	471.6	474.2	476.9	479.7	482.4	487.0	490.3	489.9	489.5	489.1
152.5°	454.6	456.9	459.3	461.8	464.2	466.8	471.8	474.8	474.4	473.9	473.6
155°	444.0	446.0	447.9	449.9	451.8	453.9	458.7	461.4	461.3	461.2	461.0
157.5°	438.0	439.4	440.8	442.4	444.0	445.5	450.0	452.3	452.2	452.0	451.9
160°	432.6	433.8	435.0	436.3	437.5	438.8	443.4	445.4	445.3	445.1	445.0
162.5°	428.1	429.6	431.0	432.6	434.2	435.6	440.3	442.6	442.3	441.9	441.6
165°	426.7	427.7	428.7	429.7	430.7	431.9	435.9	437.7	437.6	437.5	437.4
167.5°	426.2	427.3	428.3	429.3	430.4	431.5	435.4	437.2	437.1	437.0	436.9
170°	427.2	428.1	428.9	429.8	430.6	431.7	434.8	436.2	436.0	435.6	435.3
172.5°	428.5	429.5	430.3	431.2	432.1	433.1	435.8	437.3	437.0	436.7	436.3
175°	427.0	427.6	428.3	429.1	429.7	430.4	432.7	433.7	433.6	433.6	433.5
177.5°	429.6	429.9	430.4	430.9	431.4	431.9	433.3	434.0	434.0	434.0	433.9
180°	431.4	431.4	431.4	431.4	431.4	431.4	431.4	431.4	431.4	431.4	431.4



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CANDELA DISTRIBUTION (continued):

	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°	80°
0°	10695.2	10695.2	10695.2	10695.2	10695.2	10695.2	10695.2	10695.2	10695.2	10695.2	10695.2
2.5°	10718.2	10721.9	10722.5	10726.9	10726.6	10731.7	10730.9	10735.3	10732.7	10736.3	10733.2
5°	10969.9	10992.8	11004.7	11027.0	11034.0	11053.9	11059.5	11077.8	11078.5	11092.9	11089.6
7.5°	11325.8	11359.5	11379.5	11407.0	11421.0	11443.9	11454.0	11471.0	11476.5	11489.9	11491.0
10°	11538.3	11554.7	11566.1	11573.8	11580.8	11584.1	11588.0	11587.0	11588.0	11586.4	11589.8
12.5°	11454.8	11430.9	11415.1	11385.3	11367.9	11334.9	11318.7	11287.0	11275.4	11248.1	11244.2
15°	11031.4	10948.3	10889.5	10804.1	10750.3	10666.2	10617.1	10541.2	10506.6	10446.3	10430.4
17.5°	10259.7	10105.3	9985.9	9832.7	9726.4	9583.1	9493.1	9374.5	9309.5	9214.0	9180.9
20°	9177.9	8949.5	8770.3	8556.8	8404.1	8213.8	8091.9	7938.2	7849.0	7731.6	7683.9
22.5°	7907.7	7623.4	7399.6	7147.5	6963.1	6751.0	6605.0	6438.7	6341.7	6214.1	6157.6
25°	6598.7	6285.1	6036.2	5770.6	5575.8	5363.2	5217.2	5053.9	4953.4	4832.3	4776.2
27.5°	5346.6	5029.2	4788.7	4541.7	4363.1	4171.2	4039.5	3896.9	3807.8	3704.3	3651.6
30°	4241.7	3961.7	3757.1	3552.2	3403.6	3247.8	3138.2	3020.0	2941.8	2853.4	2803.0
32.5°	3341.5	3125.4	2965.1	2802.5	2680.9	2550.7	2456.1	2351.8	2281.1	2202.1	2156.6
35°	2646.5	2478.5	2350.8	2216.8	2112.3	2001.5	1918.1	1828.0	1764.7	1696.6	1657.4
37.5°	2091.0	1957.5	1852.3	1741.0	1655.3	1563.3	1532.4	1429.1	1363.5	1309.2	1271.5
40°	1641.0	1534.8	1447.8	1362.8	1292.7	1223.1	1167.1	1111.9	1069.5	1030.7	1003.9
42.5°	1281.5	1204.5	1141.0	1078.7	1027.7	976.9	936.4	898.3	869.9	844.4	827.1
45°	1018.7	965.8	921.6	877.7	841.7	807.9	780.6	756.3	737.9	722.6	711.8
47.5°	836.9	800.6	769.6	739.9	715.5	693.3	675.0	669.1	649.2	635.9	630.8
50°	711.2	689.3	665.7	643.8	627.5	611.3	599.4	587.8	580.4	574.2	572.4
52.5°	617.5	600.8	587.5	573.7	563.0	551.4	543.2	535.5	531.4	528.2	527.8
55°	547.8	536.1	527.3	518.0	511.6	504.8	500.6	496.5	494.7	493.1	493.2
57.5°	495.0	487.1	481.5	475.5	472.0	468.8	467.7	466.7	467.2	467.5	468.4
60°	456.6	451.4	447.9	444.5	443.0	441.9	442.7	443.7	445.6	447.0	448.4
62.5°	427.1	424.2	422.5	420.6	420.5	420.6	422.1	423.7	426.0	427.7	429.0
65°	396.7	395.1	394.5	393.4	393.9	394.3	396.2	397.4	399.8	401.2	402.8
67.5°	366.2	365.8	366.1	366.1	367.2	368.1	369.9	371.2	373.2	374.5	375.9
70°	343.5	343.7	344.5	344.7	345.8	346.4	348.0	348.9	350.6	351.7	353.4
72.5°	321.5	321.2	321.4	320.9	321.3	321.1	322.0	322.4	323.9	324.7	326.7
75°	298.1	297.0	296.8	295.7	295.8	295.0	295.4	295.3	296.3	296.7	298.2
77.5°	269.8	268.1	267.3	265.6	265.5	264.9	265.6	266.0	267.7	268.6	270.2
80°	235.9	233.3	232.1	230.1	230.5	230.3	232.1	233.4	235.5	235.9	237.9
82.5°	196.0	193.4	192.1	190.1	190.6	190.7	192.2	192.5	194.3	195.1	197.6
85°	140.4	141.5	138.6	138.8	138.2	139.3	140.4	141.8	143.3	145.9	147.8
87.5°	82.6	82.3	83.3	83.4	84.9	85.7	87.9	89.2	91.8	93.8	97.5
90°	96.3	92.1	90.1	86.8	85.4	82.2	81.3	78.5	77.8	75.8	75.6
92.5°	100.7	93.9	87.1	80.4	73.6	67.0	63.7	60.6	57.4	54.5	51.1
95°	138.2	128.2	118.4	108.5	98.6	88.7	85.1	81.4	77.8	74.2	70.6
97.5°	161.6	150.9	140.4	129.7	119.0	108.4	105.9	103.5	101.1	98.7	96.3
100°	235.3	214.7	194.2	173.5	153.1	132.5	130.6	128.6	126.7	124.8	122.8
102.5°	483.6	436.5	389.4	342.3	295.1	247.9	239.7	231.5	223.3	215.0	206.8
105°	894.8	819.4	744.0	668.6	593.2	517.8	495.3	472.8	450.3	427.8	405.4
107.5°	1283.3	1209.9	1136.4	1062.9	989.4	915.9	880.4	844.8	809.2	773.7	738.3
110°	1477.8	1433.7	1389.7	1345.6	1301.6	1257.6	1223.7	1189.9	1156.0	1122.2	1088.3



TEST NUMBER: P1444369
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CANDELA DISTRIBUTION (continued):

	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°	80°
112.5°	1497.7	1475.8	1454.0	1432.1	1410.3	1388.4	1371.8	1355.4	1339.0	1322.5	1305.9
115°	1389.6	1382.9	1376.2	1369.5	1363.0	1356.2	1355.2	1354.2	1353.1	1352.2	1351.1
117.5°	1211.1	1212.8	1214.5	1216.5	1218.2	1219.9	1229.0	1238.0	1247.1	1256.2	1265.3
120°	1033.5	1040.1	1046.6	1053.2	1059.7	1066.2	1078.3	1090.5	1102.7	1114.9	1127.4
122.5°	884.4	889.2	894.0	898.8	903.7	908.4	920.5	932.7	944.8	956.9	969.3
125°	768.1	769.0	769.9	770.7	771.6	772.5	782.7	792.8	803.0	813.3	823.4
127.5°	687.2	685.3	683.5	681.8	679.9	678.1	684.4	690.7	696.9	703.3	709.5
130°	635.5	631.7	627.9	624.2	620.4	616.7	619.5	622.4	625.2	628.1	631.0
132.5°	601.8	597.3	592.8	588.2	583.8	579.4	580.0	580.6	581.3	581.9	582.7
135°	576.4	572.3	568.1	563.7	559.5	555.4	554.7	554.1	553.6	553.0	552.5
137.5°	556.5	553.1	549.8	546.7	543.3	540.1	539.0	538.0	536.9	536.0	534.9
140°	539.7	537.2	534.7	532.1	529.6	527.2	526.3	525.5	524.7	524.0	523.2
142.5°	525.2	523.4	521.7	519.9	518.1	516.4	515.6	514.8	514.1	513.4	512.6
145°	515.1	514.0	513.0	512.1	511.1	510.2	509.5	509.0	508.5	508.0	507.6
147.5°	501.8	501.2	500.8	500.4	499.8	499.4	499.1	498.8	498.5	498.4	498.1
150°	488.6	488.1	487.6	487.2	486.7	486.3	486.2	486.3	486.3	486.4	486.4
152.5°	473.1	472.7	472.2	471.9	471.3	470.9	470.9	471.1	471.1	471.2	471.2
155°	460.8	460.7	460.5	460.3	460.1	459.9	459.8	459.6	459.4	459.2	459.0
157.5°	451.8	451.6	451.4	451.3	451.1	450.9	450.7	450.6	450.4	450.3	450.1
160°	444.8	444.7	444.5	444.4	444.2	444.1	443.7	443.2	442.9	442.4	441.9
162.5°	441.1	440.7	440.3	440.0	439.5	439.2	439.0	438.8	438.6	438.5	438.3
165°	437.2	437.1	436.9	436.7	436.6	436.5	436.1	435.6	435.3	434.9	434.4
167.5°	436.7	436.6	436.4	436.3	436.1	436.0	435.7	435.2	434.8	434.4	434.0
170°	435.0	434.5	434.3	433.9	433.5	433.1	432.8	432.4	432.0	431.5	431.1
172.5°	436.1	435.7	435.4	435.1	434.7	434.4	434.1	433.7	433.4	433.0	432.7
175°	433.4	433.4	433.4	433.2	433.2	433.1	433.0	433.0	432.9	432.9	432.8
177.5°	433.9	433.9	433.9	433.8	433.8	433.8	433.5	433.2	433.0	432.7	432.4
180°	431.4	431.4	431.4	431.4	431.4	431.4	431.4	431.4	431.4	431.4	431.4



TEST NUMBER: P1444369
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CANDELA DISTRIBUTION (continued):

	82.5°	85°	87.5°	90°	92.5°	95°	97.5°	100°	102.5°	105°	107.5°
0°	10695.2	10695.2	10695.2	10695.2	10695.2	10695.2	10695.2	10695.2	10695.2	10695.2	10695.2
2.5°	10736.4	10733.6	10735.0	10729.9	10731.1	10725.1	10724.5	10717.6	10717.0	10710.5	10708.1
5°	11099.9	11093.9	11100.6	11090.1	11092.2	11078.5	11077.4	11059.6	11053.6	11031.5	11021.9
7.5°	11499.4	11497.2	11501.3	11492.5	11492.2	11480.0	11475.0	11459.1	11449.2	11426.0	11411.2
10°	11587.0	11589.0	11585.6	11586.4	11581.7	11580.4	11575.6	11572.4	11564.5	11558.4	11549.5
12.5°	11223.5	11225.6	11211.8	11220.6	11213.6	11229.9	11228.6	11247.6	11250.6	11274.8	11283.9
15°	10383.5	10380.9	10354.3	10371.1	10362.0	10397.6	10405.6	10453.5	10479.1	10540.6	10578.4
17.5°	9114.6	9107.7	9070.3	9090.7	9080.3	9132.9	9150.4	9227.0	9274.7	9373.8	9444.4
20°	7602.0	7588.9	7545.1	7569.0	7558.3	7617.9	7643.1	7735.6	7797.1	7928.4	8021.8
22.5°	6070.6	6050.0	6007.0	6029.4	6019.2	6080.9	6113.7	6206.6	6277.1	6411.8	6520.8
25°	4695.5	4677.0	4635.5	4651.2	4647.5	4699.6	4728.8	4816.6	4885.9	5014.2	5118.3
27.5°	3581.3	3562.2	3524.6	3535.7	3531.9	3576.4	3603.8	3677.2	3736.9	3844.9	3936.2
30°	2741.0	2717.8	2686.1	2692.1	2689.6	2725.6	2751.2	2813.0	2864.1	2955.5	3034.2
32.5°	2101.0	2077.7	2048.5	2051.3	2047.5	2075.8	2096.9	2150.6	2195.2	2272.8	2341.3
35°	1607.5	1634.8	1572.4	1611.9	1570.8	1631.1	1609.5	1643.1	1681.4	1746.8	1803.9
37.5°	1235.8	1216.9	1200.8	1199.1	1199.0	1213.0	1229.6	1261.9	1295.7	1344.4	1394.7
40°	979.3	966.0	955.6	954.9	955.6	965.6	977.8	1000.1	1024.8	1059.9	1096.9
42.5°	812.2	803.5	797.1	796.7	798.7	805.8	814.3	827.5	843.6	866.3	891.7
45°	703.0	698.1	694.6	694.4	695.3	699.0	703.9	712.2	722.3	736.5	752.6
47.5°	626.4	625.2	623.0	623.1	622.0	623.6	624.2	628.8	634.2	644.9	665.8
50°	570.6	570.6	569.1	569.0	567.6	567.5	566.3	568.1	570.6	577.2	583.9
52.5°	526.4	526.3	524.7	524.4	522.9	522.8	521.8	522.5	522.8	526.1	530.1
55°	492.0	490.9	488.8	488.1	487.5	488.4	488.0	488.1	487.5	489.0	490.2
57.5°	467.2	465.9	463.8	463.2	463.1	464.1	464.1	463.8	461.9	460.7	458.9
60°	447.6	446.3	444.1	443.6	443.9	445.3	445.2	444.1	441.2	438.8	436.0
62.5°	428.4	427.8	426.7	426.6	426.3	426.5	425.6	424.3	421.6	418.9	415.9
65°	402.6	402.9	402.1	402.2	401.2	401.0	399.5	398.3	395.5	393.2	390.1
67.5°	375.9	376.1	375.3	375.3	374.8	374.9	373.9	372.8	370.5	368.6	366.2
70°	353.8	354.3	353.9	354.0	353.4	353.2	351.7	350.6	348.2	346.6	344.4
72.5°	327.3	328.4	328.4	328.7	327.7	327.3	325.6	324.2	322.0	320.8	319.0
75°	298.8	300.3	300.7	301.4	300.1	299.4	297.5	296.3	294.6	293.8	292.7
77.5°	270.9	272.6	274.2	275.8	273.5	271.6	269.3	267.5	265.0	264.0	262.1
80°	239.6	242.7	246.2	249.2	245.3	241.4	237.5	234.7	231.3	229.9	227.6
82.5°	198.8	201.9	203.9	205.8	203.1	200.3	196.6	194.0	190.4	189.0	186.5
85°	151.0	154.9	156.1	157.1	155.4	153.9	150.3	145.6	143.4	139.7	137.8
87.5°	99.3	101.6	102.1	102.4	101.3	100.6	98.4	96.2	92.2	89.3	85.9
90°	73.2	72.3	69.1	67.4	68.2	70.4	70.3	71.6	70.5	71.4	70.6
92.5°	48.0	44.8	41.7	38.5	41.9	44.8	48.1	51.1	54.4	57.4	60.6
95°	67.0	63.4	59.7	56.1	59.0	61.9	64.8	67.7	70.5	73.5	76.4
97.5°	93.8	91.4	89.0	86.6	88.3	90.0	91.6	93.3	95.0	96.8	98.5
100°	120.9	119.0	117.0	115.1	115.1	115.1	115.1	115.1	115.1	115.1	115.1
102.5°	198.6	190.4	182.1	174.0	179.5	185.1	190.6	196.1	201.8	207.3	213.0
105°	382.9	360.4	338.0	315.5	337.2	359.0	380.7	402.5	424.2	446.1	467.8
107.5°	702.8	667.3	631.7	596.2	635.9	675.4	715.1	754.7	794.3	833.9	873.7
110°	1054.5	1020.7	986.9	953.1	995.2	1037.2	1079.2	1121.2	1163.3	1205.3	1247.4



TEST NUMBER: P1444369
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CANDELA DISTRIBUTION (continued):

	82.5°	85°	87.5°	90°	92.5°	95°	97.5°	100°	102.5°	105°	107.5°
112.5°	1289.5	1273.2	1256.7	1240.3	1267.3	1294.3	1321.4	1348.5	1375.7	1402.8	1429.9
115°	1350.1	1349.1	1348.2	1347.2	1360.0	1372.8	1385.7	1398.5	1411.3	1424.1	1437.0
117.5°	1274.4	1283.5	1292.7	1301.9	1306.0	1310.2	1314.2	1318.4	1322.6	1326.7	1330.9
120°	1139.6	1151.8	1164.1	1176.4	1174.7	1173.0	1171.3	1169.6	1168.1	1166.4	1165.0
122.5°	981.6	993.8	1006.1	1018.4	1014.8	1011.1	1007.5	1003.9	1000.4	996.8	993.4
125°	833.8	844.1	854.4	864.8	861.2	857.5	853.9	850.4	846.9	843.3	839.9
127.5°	716.0	722.5	728.9	735.4	733.6	731.9	730.4	728.8	727.2	725.6	724.2
130°	634.1	637.1	640.1	643.1	643.6	644.1	644.7	645.3	646.0	646.6	647.2
132.5°	583.5	584.3	585.1	586.0	587.9	589.9	592.0	594.0	596.1	598.1	600.5
135°	552.1	551.7	551.3	551.0	553.9	556.9	559.7	562.7	565.8	569.0	572.1
137.5°	534.0	533.1	532.2	531.4	534.4	537.2	540.2	543.1	546.2	549.3	552.5
140°	522.5	521.9	521.4	520.6	523.6	526.5	529.3	532.3	535.5	538.6	541.6
142.5°	511.9	511.3	510.7	510.0	512.7	515.4	518.1	520.7	523.7	526.4	529.2
145°	507.1	506.7	506.3	506.0	507.8	509.7	511.9	513.9	515.9	517.9	520.1
147.5°	498.0	497.8	497.7	497.6	499.1	500.6	502.0	503.4	505.0	506.5	508.1
150°	486.6	486.6	486.7	486.9	487.9	488.8	489.8	490.7	491.8	492.7	493.9
152.5°	471.4	471.4	471.7	471.8	472.7	473.6	474.6	475.4	476.6	477.5	478.6
155°	459.0	458.8	458.7	458.6	459.0	459.5	459.9	460.3	460.8	461.3	461.7
157.5°	450.0	449.8	449.8	449.6	449.7	449.9	450.1	450.3	450.5	450.7	450.9
160°	441.7	441.3	440.8	440.5	440.9	441.3	441.7	442.0	442.5	443.0	443.3
162.5°	438.2	438.0	437.9	437.7	437.7	437.5	437.4	437.3	437.2	437.1	437.1
165°	434.1	433.7	433.3	432.9	433.0	433.2	433.3	433.4	433.6	433.7	433.8
167.5°	433.6	433.2	432.8	432.4	432.2	431.7	431.4	431.0	430.7	430.4	430.2
170°	430.7	430.4	430.0	429.7	429.6	429.5	429.5	429.3	429.3	429.3	429.3
172.5°	432.3	432.0	431.5	431.2	431.1	431.1	431.0	431.0	430.9	430.9	430.9
175°	432.7	432.7	432.6	432.5	432.3	432.0	431.8	431.5	431.2	430.9	430.7
177.5°	432.2	431.9	431.5	431.3	431.3	431.3	431.3	431.3	431.3	431.2	431.2
180°	431.4	431.4	431.4	431.4	431.4	431.4	431.4	431.4	431.4	431.4	431.4



TEST NUMBER: P1444369
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CANDELA DISTRIBUTION (continued):

	110°	112.5°	115°	117.5°	120°	122.5°	125°	127.5°	130°	132.5°	135°
0°	10695.2	10695.2	10695.2	10695.2	10695.2	10695.2	10695.2	10695.2	10695.2	10695.2	10695.2
2.5°	10701.2	10698.3	10690.9	10687.2	10680.4	10676.9	10671.6	10668.2	10663.8	10660.6	10659.0
5°	10997.6	10984.0	10956.5	10939.7	10910.0	10890.5	10861.1	10839.6	10809.2	10786.8	10758.1
7.5°	11383.3	11362.3	11327.2	11300.6	11259.2	11227.5	11181.0	11143.8	11092.4	11049.9	10997.4
10°	11540.4	11528.1	11512.4	11495.2	11472.3	11449.8	11418.0	11385.8	11342.6	11299.7	11243.7
12.5°	11308.3	11319.9	11342.6	11353.2	11370.6	11376.5	11384.4	11380.7	11373.8	11356.2	11330.8
15°	10650.9	10699.0	10775.2	10827.8	10901.5	10953.4	11021.9	11066.0	11116.9	11147.2	11176.1
17.5°	9569.6	9662.7	9797.0	9904.1	10047.9	10164.9	10308.1	10420.8	10550.7	10650.4	10756.5
20°	8184.4	8314.9	8500.2	8657.7	8866.1	9042.9	9269.3	9459.0	9680.1	9864.6	10063.7
22.5°	6693.7	6847.1	7059.6	7249.5	7498.3	7720.6	8004.3	8255.1	8554.2	8822.2	9118.5
25°	5287.4	5437.7	5654.1	5850.7	6119.4	6364.3	6674.2	6961.9	7309.0	7632.7	8004.3
27.5°	4081.3	4214.9	4405.1	4582.1	4828.2	5068.6	5383.1	5689.9	6060.3	6408.2	6808.6
30°	3151.9	3260.3	3412.7	3555.1	3752.7	3949.2	4229.4	4513.2	4881.6	5242.2	5652.7
32.5°	2442.7	2535.0	2662.2	2777.9	2930.0	3078.4	3284.6	3511.3	3834.6	4179.9	4576.9
35°	1890.9	1969.9	2078.2	2177.8	2302.9	2420.6	2574.6	2736.4	2983.1	3273.6	3628.9
37.5°	1507.5	1539.7	1617.0	1698.6	1802.6	1899.2	2019.7	2139.4	2315.9	2545.0	2835.3
40°	1146.4	1197.6	1260.5	1324.8	1403.5	1481.1	1613.2	1676.8	1793.0	1957.6	2182.8
42.5°	925.1	961.0	1005.3	1050.0	1104.9	1158.8	1225.6	1293.7	1380.6	1492.0	1652.2
45°	774.1	797.5	826.1	855.8	891.9	928.8	973.5	1020.2	1079.1	1147.6	1244.9
47.5°	673.2	686.2	704.9	725.2	749.9	775.4	804.5	834.2	870.9	911.4	966.9
50°	594.5	605.3	619.8	633.5	650.5	676.6	688.1	704.6	726.6	750.5	781.5
52.5°	537.6	544.8	553.8	561.7	572.4	582.2	595.1	606.4	621.6	636.0	656.1
55°	493.2	495.8	501.0	506.0	513.5	520.1	528.9	536.4	546.1	554.6	567.3
57.5°	459.0	459.2	461.6	464.2	469.0	473.2	479.3	484.1	490.9	496.3	503.9
60°	434.4	433.1	433.6	434.5	437.1	439.8	443.8	446.9	451.1	454.3	458.5
62.5°	413.9	411.8	411.4	411.1	412.5	413.4	415.5	417.0	419.4	420.9	423.1
65°	388.0	385.5	384.6	383.5	383.9	383.6	384.3	384.4	385.6	385.9	387.3
67.5°	364.6	362.5	361.2	359.7	359.1	358.0	357.5	356.5	356.4	355.5	355.3
70°	343.1	341.1	340.1	338.7	338.0	336.6	335.7	334.0	332.9	331.3	330.3
72.5°	318.3	317.2	316.9	315.9	315.7	314.9	314.6	313.3	312.6	311.3	310.5
75°	292.4	291.5	291.5	290.5	290.4	289.5	289.3	288.0	287.3	285.8	285.2
77.5°	261.6	260.2	259.8	258.7	259.0	258.6	258.9	258.0	257.5	256.2	255.7
80°	226.9	225.1	224.4	223.0	223.4	222.7	223.4	223.3	223.8	222.7	222.5
82.5°	185.8	183.8	183.4	182.4	183.1	183.2	184.6	183.8	184.2	183.1	183.6
85°	135.2	133.7	131.8	131.5	130.2	131.5	129.9	131.0	129.1	130.4	128.6
87.5°	83.7	80.8	79.3	77.2	76.4	74.4	73.6	72.1	72.5	71.8	72.2
90°	72.0	71.6	74.8	76.4	79.8	81.5	85.5	87.8	91.8	94.1	98.3
92.5°	63.7	66.8	72.6	78.5	84.3	90.0	95.9	101.7	107.5	113.3	119.1
95°	79.2	82.1	89.9	97.6	105.3	113.1	120.9	128.6	136.4	144.1	151.9
97.5°	100.2	101.9	109.7	117.3	125.1	132.9	140.6	148.4	156.2	163.9	171.6
100°	115.1	115.2	137.2	159.2	181.1	203.1	225.1	247.1	269.1	291.1	313.1
102.5°	218.5	224.1	279.7	335.2	390.8	446.4	502.0	557.6	613.2	668.8	724.4
105°	489.6	511.3	596.0	681.0	765.7	850.6	935.3	1020.3	1105.1	1190.0	1274.8
107.5°	913.2	952.9	1029.6	1106.2	1182.7	1259.4	1336.0	1412.6	1489.3	1565.9	1642.7
110°	1289.4	1331.5	1382.8	1434.0	1485.3	1536.6	1587.9	1639.1	1690.5	1741.7	1793.2



TEST NUMBER: P1444369
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CANDELA DISTRIBUTION (continued):

	110°	112.5°	115°	117.5°	120°	122.5°	125°	127.5°	130°	132.5°	135°
112.5°	1456.9	1484.0	1513.8	1543.6	1573.4	1603.2	1633.1	1662.8	1692.8	1722.6	1752.5
115°	1449.8	1462.7	1474.1	1485.7	1497.2	1508.6	1520.2	1531.7	1543.3	1554.7	1566.3
117.5°	1335.1	1339.3	1340.9	1342.6	1344.1	1345.7	1347.4	1349.0	1350.6	1352.5	1354.0
120°	1163.3	1161.7	1159.4	1157.2	1155.0	1152.8	1150.6	1148.4	1146.2	1144.1	1142.0
122.5°	989.8	986.4	984.1	982.0	979.7	977.6	975.6	973.5	971.4	969.2	967.1
125°	836.5	833.0	834.2	835.5	836.8	838.1	839.3	840.7	842.0	843.2	844.6
127.5°	722.6	721.2	725.1	729.1	733.0	737.0	740.9	744.9	748.9	752.9	756.9
130°	648.0	648.7	653.8	659.1	664.2	669.5	674.6	679.9	685.0	690.3	695.5
132.5°	602.6	604.9	609.6	614.7	619.6	624.7	629.6	634.7	639.5	644.7	649.5
135°	575.2	578.5	583.0	587.3	591.9	596.4	600.9	605.4	609.8	614.4	618.8
137.5°	555.6	558.8	562.3	565.7	569.2	572.8	576.3	579.9	583.3	586.8	590.3
140°	544.8	548.1	549.7	551.6	553.3	555.2	557.0	558.8	560.4	562.3	564.0
142.5°	532.1	535.1	536.0	537.1	538.1	539.2	540.2	541.2	542.2	543.2	544.3
145°	522.2	524.4	524.1	523.9	523.7	523.5	523.2	523.0	522.7	522.5	522.2
147.5°	509.7	511.4	510.8	510.4	509.7	509.1	508.6	508.1	507.4	506.9	506.4
150°	494.8	496.0	495.1	494.4	493.5	492.7	491.8	491.0	490.1	489.4	488.5
152.5°	479.5	480.6	479.6	478.8	477.9	477.1	476.0	475.2	474.3	473.4	472.6
155°	462.2	462.7	462.2	461.8	461.4	460.9	460.4	460.0	459.7	459.2	458.8
157.5°	451.1	451.3	451.1	450.8	450.5	450.3	450.1	449.8	449.7	449.5	449.4
160°	443.7	444.2	443.9	443.6	443.4	443.1	442.9	442.6	442.5	442.3	442.2
162.5°	437.0	436.9	436.7	436.4	436.2	436.0	435.8	435.7	435.5	435.3	435.2
165°	434.1	434.3	433.7	433.3	432.9	432.4	432.0	431.5	431.2	430.8	430.4
167.5°	429.8	429.6	429.6	429.7	429.7	429.7	429.8	429.9	430.0	430.1	430.2
170°	429.2	429.3	429.0	428.8	428.6	428.4	428.1	428.0	427.9	427.6	427.5
172.5°	430.9	430.9	430.4	429.9	429.5	429.0	428.5	428.1	427.7	427.2	426.7
175°	430.4	430.2	430.0	429.7	429.5	429.1	428.9	428.6	428.4	428.1	427.9
177.5°	431.2	431.1	431.0	431.0	431.0	431.0	431.0	430.9	430.9	430.9	430.8
180°	431.4	431.4	431.4	431.4	431.4	431.4	431.4	431.4	431.4	431.4	431.4



TEST NUMBER: P1444369
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CANDELA DISTRIBUTION (continued):

	137.5°	140°	142.5°	145°	147.5°	150°	152.5°	155°	157.5°	160°	162.5°
0°	10695.2	10695.2	10695.2	10695.2	10695.2	10695.2	10695.2	10695.2	10695.2	10695.2	10695.2
2.5°	10656.9	10656.7	10655.6	10656.1	10656.4	10657.1	10658.0	10659.0	10659.2	10659.9	10660.1
5°	10736.6	10710.2	10690.7	10669.3	10653.1	10638.6	10628.9	10621.2	10618.3	10619.0	10620.8
7.5°	10952.8	10898.4	10853.5	10802.5	10759.9	10714.8	10677.4	10641.9	10616.0	10596.7	10585.9
10°	11190.1	11123.8	11060.5	10986.6	10916.5	10841.7	10773.9	10705.7	10648.9	10599.4	10563.2
12.5°	11295.5	11248.6	11193.7	11124.0	11049.1	10962.8	10875.6	10782.2	10695.3	10614.7	10549.6
15°	11184.0	11184.1	11164.1	11130.6	11078.5	11009.6	10926.5	10829.1	10726.6	10622.0	10526.5
17.5°	10830.0	10896.8	10933.9	10957.4	10950.2	10924.8	10872.0	10797.2	10701.7	10590.2	10473.5
20°	10222.2	10379.7	10492.0	10593.0	10649.6	10687.2	10683.4	10652.9	10584.9	10490.2	10368.7
22.5°	9370.7	9635.0	9843.6	10038.2	10174.7	10285.6	10338.4	10360.7	10329.9	10264.0	10149.9
25°	8336.5	8695.9	9002.7	9300.4	9523.6	9715.7	9831.0	9912.2	9918.7	9884.2	9782.5
27.5°	7187.2	7611.5	7999.8	8395.5	8709.5	8985.4	9166.5	9298.9	9341.0	9335.5	9243.0
30°	6039.5	6484.9	6912.9	7374.3	7762.8	8115.4	8354.5	8533.7	8602.7	8616.0	8527.2
32.5°	4955.5	5394.8	5821.5	6303.9	6731.5	7135.5	7418.1	7631.0	7711.3	7730.2	7632.7
35°	3971.8	4377.0	4782.7	5250.1	5675.3	6093.7	6391.3	6614.2	6689.2	6701.9	6589.0
37.5°	3118.7	3464.0	3817.3	4236.9	4627.3	5020.2	5303.1	5512.5	5567.2	5563.7	5436.1
40°	2400.4	2668.8	2952.8	3298.1	3622.8	3954.9	4193.7	4366.9	4395.6	4374.3	4240.2
42.5°	1805.0	1998.8	2204.8	2462.5	2703.4	2951.9	3125.7	3254.2	3258.4	3224.8	3104.3
45°	1344.7	1533.9	1620.2	1776.0	1931.2	2096.5	2202.5	2282.0	2269.7	2240.1	2148.6
47.5°	1025.1	1097.8	1174.9	1271.5	1361.9	1549.5	1535.6	1663.0	1571.2	1633.9	1496.0
50°	814.1	854.6	896.2	947.6	994.7	1043.7	1074.4	1097.3	1094.3	1084.5	1058.0
52.5°	692.6	705.1	725.6	754.7	781.1	807.6	825.1	839.3	839.5	835.6	822.2
55°	578.9	594.8	609.4	628.5	661.0	666.0	691.0	685.9	687.9	681.0	688.0
57.5°	510.4	519.6	527.9	539.2	548.6	559.6	566.0	572.2	571.7	570.3	563.5
60°	461.8	467.0	471.5	478.2	483.3	489.5	492.5	495.6	494.6	492.3	486.2
62.5°	424.4	427.6	430.2	434.5	437.6	441.4	443.1	444.4	443.1	440.8	435.5
65°	387.5	389.6	391.2	394.4	396.6	400.0	401.3	402.5	401.3	399.6	395.5
67.5°	354.2	354.4	354.3	355.6	356.2	358.2	358.8	359.7	358.3	356.8	353.4
70°	328.9	328.4	327.8	328.3	328.4	329.4	329.5	329.4	327.7	325.1	321.4
72.5°	309.3	309.0	308.5	308.9	308.9	309.8	309.5	309.1	306.9	304.5	300.8
75°	283.8	283.6	282.7	282.7	281.9	282.2	281.2	280.6	278.3	276.2	272.8
77.5°	254.2	253.7	252.2	251.7	250.2	249.6	247.7	246.7	244.4	242.7	239.8
80°	221.0	220.5	218.8	217.7	215.3	213.8	211.0	209.4	206.6	205.0	202.2
82.5°	182.7	182.9	181.1	179.9	176.5	173.9	170.0	168.0	165.0	163.4	160.5
85°	130.0	128.0	129.1	129.0	126.8	124.6	121.5	119.3	116.7	115.2	113.2
87.5°	71.2	71.7	71.2	70.7	69.2	68.1	65.7	64.4	62.6	61.6	60.1
90°	92.4	88.4	82.5	78.6	72.7	68.1	62.1	57.6	51.8	49.9	47.0
92.5°	112.5	106.0	99.6	92.9	86.6	80.0	73.5	67.0	60.4	58.1	56.1
95°	142.5	133.0	123.6	114.1	104.7	95.2	85.9	76.4	67.0	65.1	63.2
97.5°	160.5	149.4	138.3	127.2	116.0	104.9	93.9	82.8	71.7	70.5	69.3
100°	287.5	261.9	236.4	210.8	185.2	159.5	134.1	108.5	82.8	81.4	79.9
102.5°	662.3	600.3	538.2	476.1	414.1	352.0	290.0	227.8	165.9	156.9	148.0
105°	1180.9	1086.9	993.1	899.1	805.2	711.1	617.3	523.3	429.4	399.3	369.1
107.5°	1554.3	1466.0	1377.6	1289.3	1200.9	1112.6	1024.2	935.8	847.5	794.4	741.2
110°	1722.9	1652.7	1582.6	1512.4	1442.3	1372.0	1301.7	1231.6	1161.4	1115.4	1069.7



TEST NUMBER: P1444369
 CATALOG NUMBER: EHBR1-12-UNV-TA-L840-UPL40

CANDELA DISTRIBUTION (continued):

	137.5°	140°	142.5°	145°	147.5°	150°	152.5°	155°	157.5°	160°	162.5°
112.5°	1701.0	1649.3	1597.9	1546.3	1494.7	1443.1	1391.6	1340.0	1288.4	1260.4	1232.5
115°	1535.1	1503.8	1472.6	1441.4	1410.1	1378.8	1347.6	1316.2	1285.0	1270.1	1255.2
117.5°	1337.8	1321.6	1305.4	1289.2	1273.0	1256.7	1240.6	1224.2	1208.0	1202.6	1197.2
120°	1136.7	1131.4	1126.0	1120.8	1115.4	1110.1	1104.8	1099.4	1094.1	1094.3	1094.5
122.5°	968.4	969.6	971.0	972.1	973.4	974.5	975.8	976.9	978.1	981.5	984.9
125°	848.6	852.5	856.4	860.4	864.1	868.0	872.0	875.8	879.7	883.1	886.5
127.5°	761.4	765.7	770.3	774.6	779.0	783.5	787.9	792.2	796.6	799.5	802.7
130°	699.3	703.0	706.7	710.3	714.2	717.8	721.5	725.2	728.9	731.0	733.0
132.5°	652.7	656.1	659.3	662.4	665.7	669.0	672.2	675.4	678.8	680.1	681.4
135°	621.1	623.3	625.6	627.8	630.2	632.3	634.7	637.0	639.2	639.8	640.5
137.5°	592.1	593.8	595.6	597.4	599.1	601.0	602.8	604.6	606.4	606.2	606.2
140°	566.0	568.1	569.9	571.9	573.9	575.9	578.0	580.0	582.1	582.0	581.9
142.5°	545.7	547.1	548.6	550.0	551.5	552.9	554.4	556.1	557.6	557.5	557.4
145°	524.1	525.9	527.8	529.7	531.6	533.6	535.7	537.6	539.7	539.3	539.0
147.5°	507.9	509.6	511.3	512.9	514.7	516.3	518.0	519.8	521.7	521.2	520.9
150°	490.4	492.2	493.9	495.8	497.7	499.8	501.6	503.6	505.7	505.8	505.8
152.5°	474.6	476.7	478.7	480.8	483.0	485.2	487.4	489.6	491.8	491.9	492.0
155°	460.8	462.8	464.9	467.1	469.3	471.4	473.6	475.7	478.0	478.3	478.6
157.5°	451.2	453.0	454.9	456.8	458.7	460.6	462.5	464.4	466.4	466.7	466.9
160°	443.9	445.5	447.1	448.7	450.4	452.0	453.6	455.4	457.0	457.3	457.5
162.5°	436.8	438.5	440.1	441.6	443.4	445.0	446.6	448.3	449.9	450.1	450.4
165°	431.7	432.7	433.9	434.9	436.1	437.2	438.4	439.4	440.7	441.0	441.5
167.5°	431.1	431.9	432.8	433.6	434.6	435.4	436.3	437.1	438.0	438.4	438.8
170°	428.3	429.1	429.8	430.7	431.7	432.5	433.3	434.1	435.0	435.3	435.8
172.5°	427.3	427.8	428.3	428.9	429.4	430.0	430.5	431.1	431.8	432.4	432.9
175°	428.1	428.4	428.7	429.0	429.2	429.6	429.8	430.2	430.5	431.0	431.5
177.5°	431.0	431.3	431.5	431.8	432.2	432.4	432.7	433.0	433.2	433.9	434.6
180°	431.4	431.4	431.4	431.4	431.4	431.4	431.4	431.4	431.4	431.4	431.4



TEST NUMBER: P1444369
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CANDELA DISTRIBUTION (continued):

	165°	167.5°	170°	172.5°	175°	177.5°	180°	182.5°	185°	187.5°	190°
0°	10695.2	10695.2	10695.2	10695.2	10695.2	10695.2	10695.2	10695.2	10695.2	10695.2	10695.2
2.5°	10659.7	10659.6	10659.3	10658.8	10658.3	10658.6	10659.1	10660.3	10662.4	10665.5	10669.6
5°	10622.2	10624.5	10625.7	10625.9	10624.8	10624.1	10625.1	10628.0	10634.0	10643.8	10657.3
7.5°	10583.1	10585.7	10589.9	10593.0	10593.6	10592.8	10593.0	10597.5	10608.4	10627.8	10654.8
10°	10541.1	10533.2	10537.4	10545.1	10551.2	10552.3	10553.0	10558.5	10574.4	10603.6	10647.1
12.5°	10502.5	10477.3	10472.4	10479.3	10488.6	10491.6	10490.8	10493.1	10511.8	10550.3	10610.9
15°	10451.5	10404.1	10388.0	10389.7	10401.2	10405.3	10402.3	10397.6	10415.9	10463.0	10541.4
17.5°	10369.2	10292.7	10262.9	10261.6	10274.9	10278.6	10271.2	10256.9	10274.8	10333.7	10431.0
20°	10244.0	10131.1	10075.0	10066.0	10080.5	10076.3	10061.6	10040.1	10063.6	10135.1	10250.9
22.5°	10018.9	9875.8	9779.9	9749.0	9766.4	9754.8	9733.3	9705.8	9737.1	9818.3	9947.3
25°	9651.1	9485.7	9354.4	9280.8	9294.7	9273.8	9250.5	9217.1	9254.4	9347.7	9489.6
27.5°	9110.4	8919.5	8756.7	8634.8	8639.3	8612.0	8585.2	8542.0	8588.5	8698.9	8859.0
30°	8391.4	8170.5	7972.3	7806.6	7791.8	7765.4	7737.8	7681.2	7739.4	7871.6	8058.7
32.5°	7488.6	7243.2	7014.3	6804.8	6765.3	6739.5	6715.0	6649.7	6726.0	6880.1	7095.1
35°	6432.7	6171.3	5923.1	5683.9	5618.4	5592.6	5571.2	5508.6	5603.9	5771.6	6003.8
37.5°	5273.7	5006.8	4760.4	4515.0	4422.4	4387.4	4371.9	4330.9	4440.8	4606.6	4839.8
40°	4083.9	3835.7	3614.7	3398.1	3292.6	3239.0	3230.9	3223.5	3329.6	3473.5	3685.2
42.5°	2970.9	2770.6	2600.3	2434.6	2339.1	2265.9	2265.9	2288.1	2383.7	2491.4	2654.7
45°	2055.0	1920.6	1812.2	1701.5	1731.0	1585.2	1670.9	1626.9	1674.1	1743.7	1849.8
47.5°	1412.7	1339.2	1279.7	1217.9	1172.8	1129.7	1133.5	1161.3	1205.8	1246.9	1302.2
50°	1029.6	992.3	961.9	929.8	907.3	888.3	889.4	901.4	924.8	946.5	975.4
52.5°	806.8	786.1	769.7	751.9	740.1	730.7	731.2	737.1	749.7	762.1	778.6
55°	664.9	662.5	641.0	625.1	619.0	612.7	613.9	616.1	624.8	631.9	642.9
57.5°	557.3	547.6	541.1	532.8	528.9	524.5	525.5	526.4	532.1	537.0	544.9
60°	481.2	474.3	469.8	464.0	461.5	458.7	459.4	459.9	463.5	466.8	472.4
62.5°	430.6	424.5	420.6	416.1	414.4	412.5	412.9	413.1	415.4	417.7	422.0
65°	391.9	387.1	383.7	379.9	378.1	376.1	376.3	376.3	378.3	379.9	383.1
67.5°	350.8	347.2	345.1	342.1	340.8	338.8	338.7	338.1	339.4	340.0	342.3
70°	317.9	314.3	311.6	308.7	307.0	305.3	305.3	305.3	306.8	308.4	311.2
72.5°	297.7	294.1	291.7	289.2	287.7	286.2	285.8	285.7	286.8	287.6	289.5
75°	270.7	267.9	266.5	264.2	262.9	261.2	260.9	260.1	260.6	260.8	262.2
77.5°	238.0	235.4	234.3	231.9	230.9	228.9	228.7	227.8	228.2	228.0	229.0
80°	200.9	198.5	197.8	195.8	195.3	193.5	193.2	192.2	192.5	191.7	192.1
82.5°	159.3	157.1	156.6	154.8	154.8	153.2	153.1	151.5	151.5	150.0	147.8
85°	112.2	110.6	109.9	108.4	108.0	106.7	105.9	104.4	103.9	102.9	102.6
87.5°	59.2	58.2	57.3	56.6	55.3	52.9	52.7	51.1	51.3	50.0	50.1
90°	45.4	42.7	41.0	38.2	36.6	34.3	32.7	34.1	35.7	37.1	38.7
92.5°	53.9	51.8	49.5	47.4	45.2	43.1	40.9	43.1	45.2	47.4	49.5
95°	61.2	59.3	57.3	55.4	53.5	51.6	49.6	51.6	53.5	55.5	57.4
97.5°	68.1	66.9	65.7	64.5	63.3	62.1	60.8	62.1	63.3	64.5	65.7
100°	78.5	77.1	75.6	74.2	72.7	71.2	69.8	71.3	72.8	74.3	75.7
102.5°	139.0	130.2	121.2	112.3	103.3	94.4	85.5	94.4	103.3	112.4	121.3
105°	338.8	308.7	278.5	248.3	218.0	187.9	157.7	188.0	218.1	248.4	278.6
107.5°	688.1	635.1	581.9	528.7	475.6	422.5	369.3	422.6	475.7	528.8	582.0
110°	1023.8	977.9	932.1	886.3	840.4	794.5	748.6	794.5	840.4	886.3	932.2



TEST NUMBER: P1444369
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CANDELA DISTRIBUTION (continued):

	165°	167.5°	170°	172.5°	175°	177.5°	180°	182.5°	185°	187.5°	190°
112.5°	1204.5	1176.6	1148.5	1120.6	1092.6	1064.7	1036.6	1064.7	1092.7	1120.8	1148.7
115°	1240.4	1225.4	1210.6	1195.7	1180.7	1165.8	1150.9	1165.9	1180.9	1195.9	1210.9
117.5°	1191.7	1186.3	1180.8	1175.4	1169.9	1164.5	1158.9	1164.6	1170.1	1175.7	1181.2
120°	1094.6	1094.8	1095.0	1095.1	1095.3	1095.4	1095.5	1095.5	1095.5	1095.5	1095.5
122.5°	988.2	991.5	994.9	998.2	1001.5	1004.9	1008.0	1005.0	1001.8	998.8	995.6
125°	889.8	893.4	896.8	900.1	903.4	906.8	909.9	907.0	903.9	900.7	897.5
127.5°	805.5	808.4	811.3	814.4	817.1	820.0	822.7	820.2	817.5	814.9	812.2
130°	735.0	737.1	739.0	741.1	742.9	744.8	746.7	745.0	743.3	741.8	739.9
132.5°	682.7	684.0	685.3	686.5	687.7	688.9	690.1	689.1	688.2	687.2	686.2
135°	641.1	641.7	642.3	642.9	643.4	643.9	644.2	644.2	643.9	643.7	643.3
137.5°	606.1	606.0	605.9	605.7	605.5	605.2	604.9	605.5	606.0	606.6	607.0
140°	581.8	581.8	581.6	581.4	581.4	581.1	580.7	581.4	581.9	582.3	582.7
142.5°	557.4	557.3	557.2	557.0	556.9	556.6	556.3	556.9	557.4	557.8	558.2
145°	538.7	538.4	537.9	537.6	537.1	536.6	536.0	536.9	537.6	538.3	539.0
147.5°	520.5	520.2	519.7	519.3	518.8	518.4	517.8	518.6	519.3	520.0	520.7
150°	506.0	506.1	506.1	506.2	506.2	506.1	506.0	506.3	506.7	506.9	507.1
152.5°	492.0	492.1	492.1	492.1	492.2	492.0	491.9	492.3	492.7	493.0	493.2
155°	478.8	479.1	479.3	479.5	479.7	479.9	480.1	480.2	480.3	480.4	480.5
157.5°	467.1	467.4	467.6	467.8	468.0	468.2	468.4	468.6	468.7	468.9	468.9
160°	457.7	458.0	458.1	458.4	458.6	458.8	458.9	459.1	459.3	459.4	459.5
162.5°	450.6	450.8	450.9	451.2	451.3	451.5	451.7	451.9	452.1	452.2	452.3
165°	441.9	442.4	442.9	443.4	443.8	444.3	444.6	444.6	444.4	444.4	444.2
167.5°	439.2	439.7	440.0	440.5	440.8	441.3	441.6	441.6	441.4	441.3	441.2
170°	436.1	436.5	436.9	437.3	437.7	438.1	438.4	438.3	438.1	438.1	437.9
172.5°	433.4	434.1	434.7	435.3	435.8	436.4	437.0	436.7	436.2	435.9	435.4
175°	432.1	432.7	433.2	433.8	434.2	434.8	435.4	434.9	434.6	434.2	433.8
177.5°	435.5	436.3	437.0	437.7	438.5	439.2	440.0	439.3	438.6	437.9	437.2
180°	431.4	431.4	431.4	431.4	431.4	431.4	431.4	431.4	431.4	431.4	431.4



TEST NUMBER: P1444369
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CANDELA DISTRIBUTION (continued):

	192.5°	195°	197.5°	200°	202.5°	205°	207.5°	210°	212.5°	215°	217.5°
0°	10695.2	10695.2	10695.2	10695.2	10695.2	10695.2	10695.2	10695.2	10695.2	10695.2	10695.2
2.5°	10675.2	10680.6	10688.7	10696.2	10707.3	10716.1	10729.3	10739.3	10754.2	10763.9	10780.2
5°	10676.2	10697.1	10724.6	10751.4	10783.6	10812.8	10849.2	10880.1	10916.7	10946.4	10983.9
7.5°	10691.3	10731.6	10779.9	10828.5	10883.5	10934.9	10993.0	11045.4	11102.7	11151.4	11204.3
10°	10702.5	10764.5	10835.7	10907.3	10982.7	11052.7	11123.3	11184.4	11241.5	11288.5	11330.0
12.5°	10687.3	10772.9	10864.2	10952.4	11036.1	11108.6	11169.4	11216.3	11248.8	11270.8	11276.0
15°	10636.0	10739.0	10838.3	10926.1	10995.6	11049.2	11076.9	11089.9	11076.0	11052.8	11001.9
17.5°	10540.1	10648.7	10737.5	10806.7	10843.4	10858.1	10835.0	10795.0	10716.9	10630.1	10504.8
20°	10364.3	10465.5	10529.9	10567.7	10557.9	10521.4	10434.7	10329.1	10173.1	10006.8	9787.3
22.5°	10056.0	10144.5	10178.8	10181.5	10121.6	10030.6	9874.0	9693.1	9446.9	9190.9	8876.2
25°	9593.2	9670.7	9676.1	9645.6	9535.9	9388.3	9158.5	8902.4	8567.9	8226.9	7832.5
27.5°	8965.5	9039.7	9021.6	8964.8	8812.4	8615.0	8320.7	7990.0	7577.5	7174.7	6738.4
30°	8176.3	8255.8	8234.4	8161.6	7980.4	7747.1	7400.8	7016.5	6558.6	6128.4	5686.2
32.5°	7232.1	7332.5	7317.8	7248.6	7059.5	6809.8	6434.0	6026.5	5558.0	5134.0	4703.9
35°	6158.7	6280.7	6287.1	6241.8	6066.2	5819.5	5448.4	5054.0	4605.2	4205.2	3807.9
37.5°	5002.4	5143.9	5172.8	5160.6	5015.1	4797.4	4459.3	4105.3	3707.9	3357.2	3017.4
40°	3839.6	3982.8	4032.5	4047.2	3939.8	3771.1	3493.7	3208.0	2883.9	2599.9	2330.0
42.5°	2779.3	2906.1	2954.2	2984.3	2917.3	2804.8	2602.4	2395.0	2157.5	1952.7	1756.3
45°	1930.2	2020.0	2056.5	2086.9	2050.4	1986.9	1859.1	1729.4	1572.6	1438.7	1312.0
47.5°	1349.5	1399.1	1423.2	1437.9	1423.8	1390.6	1321.1	1245.9	1157.4	1079.2	1004.0
50°	1000.3	1026.7	1039.3	1047.7	1037.5	1019.1	981.5	940.5	892.0	847.7	804.3
52.5°	792.7	807.8	815.3	819.9	814.0	802.8	780.9	756.5	727.4	700.0	685.6
55°	667.9	667.0	684.3	676.0	684.3	665.6	661.8	635.1	610.8	593.9	575.4
57.5°	550.7	558.6	561.9	565.6	563.2	559.8	550.5	540.9	528.2	517.5	506.1
60°	476.8	483.2	486.8	490.5	490.3	489.0	483.6	477.9	470.0	463.5	456.7
62.5°	425.8	431.3	435.0	438.5	438.8	438.3	434.2	430.2	424.8	420.8	416.0
65°	385.6	389.6	392.0	394.8	394.7	393.9	390.3	387.0	382.5	379.7	376.2
67.5°	343.7	346.6	348.5	351.2	351.7	351.8	349.8	348.3	346.1	345.3	344.2
70°	313.8	317.4	320.5	323.9	325.7	326.5	325.7	324.9	323.6	323.1	322.2
72.5°	291.2	294.2	296.6	299.7	301.4	302.6	302.0	301.5	300.4	300.3	299.6
75°	263.1	265.3	266.6	268.9	269.8	270.9	270.4	270.7	270.4	271.2	271.2
77.5°	229.4	231.0	231.6	233.3	233.4	234.8	235.1	236.7	237.9	240.4	241.8
80°	191.4	192.4	192.4	194.1	194.9	197.3	198.4	201.0	202.2	204.5	204.7
82.5°	148.7	147.6	148.7	148.0	150.1	152.8	153.2	155.4	155.9	157.4	156.3
85°	101.7	101.6	100.7	100.8	100.2	100.5	100.1	100.5	100.1	100.2	99.1
87.5°	48.7	49.1	48.1	48.4	47.4	47.9	47.0	47.7	46.6	46.8	45.2
90°	40.4	42.0	43.4	45.1	46.9	51.2	55.4	59.6	64.1	68.4	72.7
92.5°	51.8	53.9	56.1	58.2	60.4	67.0	73.5	80.0	86.7	93.0	99.6
95°	59.4	61.3	63.3	65.3	67.2	76.6	86.1	95.5	104.9	114.3	123.8
97.5°	67.0	68.2	69.4	70.6	71.8	82.9	94.0	105.1	116.2	127.4	138.5
100°	77.2	78.6	80.0	81.6	83.0	108.7	134.3	159.8	185.5	211.0	236.6
102.5°	130.3	139.1	148.1	157.1	166.1	228.1	290.3	352.3	414.3	476.4	538.5
105°	308.8	338.9	369.3	399.5	429.6	523.6	617.6	711.5	805.5	899.4	993.5
107.5°	635.2	688.3	741.5	794.7	847.9	936.3	1024.5	1113.0	1201.4	1289.7	1378.0
110°	978.1	1023.9	1069.9	1115.9	1161.8	1232.0	1302.2	1372.5	1442.8	1513.0	1583.2



TEST NUMBER: P1444369
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CANDELA DISTRIBUTION (continued):

	192.5°	195°	197.5°	200°	202.5°	205°	207.5°	210°	212.5°	215°	217.5°
112.5°	1176.9	1204.8	1232.8	1260.8	1288.9	1340.5	1392.2	1443.8	1495.4	1547.0	1598.6
115°	1225.8	1240.8	1255.7	1270.6	1285.6	1316.9	1348.3	1379.6	1410.9	1442.2	1473.5
117.5°	1186.8	1192.3	1197.8	1203.2	1208.7	1225.0	1241.4	1257.6	1274.0	1290.3	1306.6
120°	1095.5	1095.4	1095.3	1095.1	1095.0	1100.3	1105.9	1111.2	1116.6	1122.0	1127.4
122.5°	992.3	989.0	985.8	982.5	979.2	978.0	976.9	975.7	974.7	973.4	972.3
125°	894.2	890.9	887.6	884.4	881.1	877.2	873.4	869.5	865.6	861.9	858.0
127.5°	809.4	806.6	803.9	800.9	798.1	793.7	789.4	785.0	780.7	776.3	771.9
130°	738.2	736.3	734.6	732.4	730.6	726.8	723.3	719.5	715.9	712.3	708.6
132.5°	685.2	684.1	682.9	681.7	680.5	677.2	674.1	670.9	667.7	664.4	661.3
135°	643.0	642.5	642.1	641.6	641.1	638.9	636.7	634.5	632.3	630.0	627.8
137.5°	607.3	607.6	607.9	608.1	608.4	606.7	604.9	603.2	601.5	599.7	597.9
140°	583.1	583.4	583.7	583.9	584.2	582.2	580.3	578.4	576.4	574.4	572.4
142.5°	558.6	559.0	559.2	559.5	559.8	558.3	556.9	555.5	554.0	552.6	551.2
145°	539.6	540.2	540.8	541.2	541.8	539.9	538.1	536.2	534.4	532.4	530.6
147.5°	521.6	522.1	522.7	523.3	523.9	522.3	520.6	519.0	517.5	515.8	514.4
150°	507.4	507.5	507.7	507.9	508.0	506.2	504.4	502.7	501.0	499.1	497.3
152.5°	493.5	493.7	493.9	494.1	494.3	492.4	490.4	488.5	486.4	484.3	482.4
155°	480.6	480.6	480.6	480.6	480.6	478.7	476.8	474.8	472.9	470.9	469.0
157.5°	469.0	469.1	469.2	469.2	469.3	467.6	465.9	464.2	462.5	460.7	459.0
160°	459.6	459.7	459.8	459.9	459.9	458.5	457.1	455.6	454.3	452.6	451.2
162.5°	452.4	452.6	452.6	452.7	452.8	451.4	449.9	448.5	447.1	445.6	444.2
165°	444.1	443.9	443.8	443.5	443.4	442.3	441.5	440.5	439.6	438.5	437.6
167.5°	441.1	440.8	440.7	440.5	440.4	439.7	439.1	438.3	437.6	436.8	436.1
170°	437.8	437.5	437.4	437.2	437.0	436.3	435.7	435.0	434.4	433.5	432.8
172.5°	435.1	434.6	434.3	433.9	433.4	432.9	432.4	432.0	431.5	431.0	430.5
175°	433.3	432.9	432.5	432.1	431.5	431.4	431.1	430.9	430.6	430.4	430.1
177.5°	436.5	435.9	435.1	434.4	433.8	433.6	433.3	433.1	433.0	432.7	432.5
180°	431.4	431.4	431.4	431.4	431.4	431.4	431.4	431.4	431.4	431.4	431.4



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CANDELA DISTRIBUTION (continued):

	220°	222.5°	225°	227.5°	230°	232.5°	235°	237.5°	240°	242.5°	245°
0°	10695.2	10695.2	10695.2	10695.2	10695.2	10695.2	10695.2	10695.2	10695.2	10695.2	10695.2
2.5°	10790.1	10723.6	10714.8	10719.4	10730.5	10734.7	10746.7	10750.0	10762.1	10765.0	10776.6
5°	11012.8	10924.7	10929.1	10950.3	10982.4	11001.4	11033.0	11049.5	11079.5	11093.2	11120.4
7.5°	11247.6	11178.4	11200.0	11235.7	11279.5	11309.9	11347.7	11372.4	11405.0	11425.3	11451.4
10°	11362.9	11343.9	11367.6	11395.7	11420.8	11440.3	11456.4	11469.2	11477.7	11485.5	11489.0
12.5°	11275.2	11304.4	11308.5	11305.7	11289.2	11276.6	11248.1	11228.9	11194.6	11173.7	11132.9
15°	10950.0	11014.4	10978.7	10924.6	10845.5	10779.6	10686.4	10617.1	10520.0	10454.2	10356.9
17.5°	10379.3	10460.6	10367.6	10242.5	10083.3	9947.2	9777.6	9643.1	9474.5	9351.9	9194.6
20°	9575.8	9651.9	9485.9	9278.6	9032.4	8825.1	8580.8	8385.9	8158.9	7990.0	7786.2
22.5°	8575.5	8629.7	8395.8	8116.3	7802.6	7543.8	7251.7	7018.0	6758.8	6565.8	6348.4
25°	7468.8	7483.5	7202.9	6880.9	6531.3	6240.4	5928.5	5682.8	5418.5	5222.8	5009.6
27.5°	6351.8	6330.4	6027.2	5685.7	5317.9	5015.6	4711.4	4481.2	4249.7	4073.4	3889.7
30°	5297.6	5245.6	4930.8	4579.8	4222.9	3951.8	3699.3	3514.4	3330.3	3190.5	3042.9
32.5°	4330.7	4257.5	3951.0	3622.2	3321.4	3112.3	2925.0	2785.1	2636.4	2518.3	2394.6
35°	3474.4	3396.3	3124.9	2846.1	2618.5	2464.3	2317.1	2202.3	2076.1	1976.4	1869.0
37.5°	2739.4	2675.5	2448.1	2228.7	2056.5	1937.1	1816.5	1722.7	1618.3	1574.4	1459.6
40°	2114.9	2070.2	1892.4	1730.6	1601.3	1545.2	1422.8	1335.1	1257.2	1192.9	1130.6
42.5°	1649.6	1633.8	1460.7	1334.6	1243.6	1172.9	1104.7	1049.3	995.4	951.1	909.2
45°	1210.6	1198.1	1121.2	1048.5	986.4	937.0	890.8	852.8	817.5	788.3	761.8
47.5°	942.7	938.7	894.4	849.3	810.2	778.4	748.5	723.3	699.8	680.4	674.0
50°	766.7	766.2	740.2	712.4	684.5	666.1	647.1	632.1	617.1	605.4	593.1
52.5°	651.4	648.6	631.1	613.9	597.4	585.3	573.1	563.5	553.6	546.4	538.7
55°	560.8	563.8	553.6	543.3	533.1	525.6	517.0	510.7	503.9	499.4	494.7
57.5°	497.8	501.8	496.5	490.7	484.4	479.5	473.5	469.2	464.6	461.7	459.1
60°	452.1	456.4	454.3	451.3	447.4	444.5	440.7	438.3	435.4	433.8	432.3
62.5°	413.3	418.6	417.8	416.5	414.0	412.4	410.3	409.3	407.2	406.5	405.8
65°	374.5	380.5	380.4	379.7	378.4	377.9	376.6	376.4	375.3	375.8	375.7
67.5°	344.0	349.2	350.4	351.2	351.2	351.5	351.4	351.9	351.9	352.6	353.2
70°	322.0	325.7	326.5	327.4	327.6	328.3	328.3	328.8	328.6	329.3	329.4
72.5°	299.8	304.6	305.4	306.1	306.1	306.8	306.4	306.3	305.4	305.2	304.5
75°	272.1	278.3	279.6	280.5	280.6	281.2	280.4	279.8	278.3	277.6	276.5
77.5°	243.2	249.6	250.5	250.8	250.3	250.4	248.7	247.5	245.5	244.7	243.6
80°	205.6	215.0	215.7	215.1	213.7	213.4	211.8	210.7	208.3	207.3	206.4
82.5°	156.5	167.5	169.0	169.7	168.5	168.8	167.2	166.5	164.3	163.9	162.4
85°	98.8	109.8	111.6	111.3	110.2	109.9	109.0	109.3	109.1	109.7	110.0
87.5°	45.4	56.0	58.6	57.8	57.7	56.9	55.2	55.9	56.9	57.5	57.6
90°	77.1	84.6	88.8	85.3	80.7	77.1	72.6	69.1	64.8	61.3	57.0
92.5°	106.1	112.6	119.2	113.3	107.6	101.7	96.0	90.1	84.4	78.5	72.7
95°	133.2	142.6	152.0	144.2	136.4	128.6	120.9	113.2	105.4	97.7	90.0
97.5°	149.6	160.6	171.7	164.0	156.3	148.4	140.7	133.0	125.2	117.4	109.8
100°	262.1	287.7	313.2	291.2	269.2	247.3	225.3	203.2	181.2	159.3	137.3
102.5°	600.5	662.5	724.5	668.9	613.4	557.7	502.1	446.6	391.0	335.3	279.8
105°	1087.3	1181.1	1275.0	1190.1	1105.3	1020.4	935.5	850.7	765.8	681.0	596.1
107.5°	1466.5	1554.6	1642.8	1566.1	1489.5	1412.8	1336.1	1259.6	1183.0	1106.3	1029.7
110°	1653.4	1723.3	1793.4	1741.9	1690.8	1639.3	1588.1	1536.7	1485.4	1434.2	1382.9



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CANDELA DISTRIBUTION (continued):

	220°	222.5°	225°	227.5°	230°	232.5°	235°	237.5°	240°	242.5°	245°
112.5°	1650.1	1701.4	1752.7	1722.8	1693.0	1663.1	1633.3	1603.4	1573.6	1543.8	1514.0
115°	1504.7	1535.5	1566.6	1555.0	1543.5	1531.9	1520.4	1508.9	1497.4	1485.9	1474.5
117.5°	1322.7	1338.3	1354.5	1352.8	1351.1	1349.3	1347.7	1346.0	1344.4	1342.8	1341.2
120°	1132.7	1137.3	1142.5	1144.5	1146.7	1148.8	1151.1	1153.2	1155.4	1157.5	1159.7
122.5°	971.1	969.1	967.6	969.7	971.9	973.9	976.1	978.0	980.2	982.4	984.6
125°	854.1	849.3	845.1	843.8	842.6	841.2	839.9	838.6	837.3	836.0	834.7
127.5°	767.5	762.3	757.6	753.6	749.6	745.6	741.6	737.7	733.7	729.7	725.8
130°	704.9	700.2	696.3	691.1	685.9	680.6	675.4	670.3	665.0	659.9	654.6
132.5°	658.2	653.8	650.4	645.5	640.5	635.6	630.5	625.6	620.6	615.6	610.6
135°	625.6	622.3	619.7	615.2	610.9	606.4	601.9	597.4	593.0	588.4	584.1
137.5°	596.2	593.2	591.3	587.8	584.4	580.9	577.6	573.9	570.5	566.9	563.5
140°	570.6	567.3	565.0	563.4	561.6	559.9	558.2	556.4	554.6	552.9	551.1
142.5°	549.8	547.0	545.3	544.4	543.4	542.3	541.5	540.5	539.5	538.4	537.5
145°	528.7	525.4	523.3	523.5	523.9	524.1	524.4	524.7	525.0	525.2	525.5
147.5°	512.8	509.4	507.5	508.1	508.7	509.3	509.9	510.5	511.1	511.7	512.3
150°	495.5	491.8	489.5	490.4	491.2	492.1	493.0	493.9	494.7	495.6	496.4
152.5°	480.4	476.0	473.4	474.3	475.2	476.1	477.1	478.0	478.9	479.9	480.8
155°	467.0	462.3	459.7	460.1	460.5	460.9	461.3	461.8	462.3	462.7	463.3
157.5°	457.3	452.7	450.3	450.3	450.6	450.7	451.0	451.2	451.5	451.7	452.1
160°	449.8	445.4	443.2	443.2	443.5	443.6	443.8	444.0	444.3	444.5	444.8
162.5°	442.6	438.3	436.1	436.2	436.4	436.5	436.7	436.8	437.0	437.2	437.5
165°	436.5	433.1	431.3	431.7	432.1	432.4	432.8	433.3	433.7	434.1	434.6
167.5°	435.4	432.4	431.0	430.9	430.7	430.6	430.6	430.5	430.5	430.4	430.4
170°	432.0	429.5	428.3	428.4	428.7	428.8	428.9	429.2	429.3	429.5	429.8
172.5°	430.0	428.2	427.4	427.8	428.3	428.7	429.2	429.6	430.1	430.5	431.0
175°	429.9	428.8	428.5	428.6	428.9	429.1	429.4	429.6	429.9	430.1	430.5
177.5°	432.3	431.8	431.4	431.4	431.4	431.4	431.4	431.4	431.4	431.5	431.5
180°	431.4	431.4	431.4	431.4	431.4	431.4	431.4	431.4	431.4	431.4	431.4



TEST NUMBER: P1444369
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CANDELA DISTRIBUTION (continued):

	247.5°	250°	252.5°	255°	257.5°	260°	262.5°	265°	267.5°	270°	272.5°
0°	10695.2	10695.2	10695.2	10695.2	10695.2	10695.2	10695.2	10695.2	10695.2	10695.2	10695.2
2.5°	10778.8	10791.4	10790.4	10802.2	10801.5	10812.6	10810.4	10820.0	10817.8	10826.0	10821.1
5°	11132.4	11156.3	11164.2	11185.8	11190.2	11209.5	11209.9	11225.2	11223.4	11235.4	11229.1
7.5°	11466.9	11489.2	11499.8	11516.5	11524.9	11538.7	11544.2	11555.6	11558.3	11565.1	11564.9
10°	11495.0	11495.0	11500.2	11497.9	11502.6	11499.9	11505.6	11503.5	11512.0	11509.8	11516.1
12.5°	11115.2	11077.6	11063.8	11030.0	11022.5	10993.5	10995.6	10976.9	10985.9	10974.5	10994.0
15°	10299.0	10211.6	10168.4	10092.3	10068.5	10008.4	10003.5	9963.6	9974.4	9953.5	9984.0
17.5°	9092.8	8955.1	8879.6	8768.5	8724.5	8639.5	8622.4	8571.1	8579.0	8553.2	8590.0
20°	7654.7	7488.3	7393.0	7264.6	7207.4	7106.0	7079.1	7021.6	7028.9	7003.2	7044.8
22.5°	6200.1	6025.9	5918.4	5783.8	5710.7	5615.4	5586.8	5529.1	5532.3	5508.2	5548.3
25°	4863.5	4696.5	4592.1	4469.9	4406.4	4319.0	4289.0	4237.1	4240.0	4220.1	4256.1
27.5°	3762.3	3625.2	3537.9	3435.4	3378.5	3306.7	3277.4	3233.8	3233.6	3219.1	3249.2
30°	2940.0	2825.7	2747.2	2658.0	2604.5	2539.8	2511.4	2472.5	2470.7	2460.3	2484.3
32.5°	2301.9	2200.2	2128.7	2050.2	2002.3	1946.6	1919.8	1888.4	1885.6	1876.2	1895.8
35°	1789.5	1703.8	1642.3	1576.2	1581.1	1499.1	1512.7	1448.9	1431.7	1427.8	1442.5
37.5°	1383.0	1316.7	1266.7	1217.3	1183.7	1149.0	1130.4	1113.6	1111.7	1110.1	1120.3
40°	1082.6	1036.1	999.8	965.8	942.7	921.6	909.9	900.7	898.5	897.3	903.5
42.5°	876.1	844.8	821.4	800.6	786.6	775.1	768.8	763.6	761.9	762.0	765.6
45°	740.2	721.2	706.1	693.3	684.3	688.2	676.6	682.7	674.7	683.0	677.5
47.5°	651.9	635.7	626.4	617.2	611.9	607.4	607.6	607.7	609.4	609.6	611.5
50°	583.7	574.3	567.9	562.0	559.2	556.9	557.7	558.3	560.0	560.1	561.4
52.5°	533.3	527.1	523.2	519.5	518.3	517.0	517.5	517.3	518.0	517.7	518.7
55°	492.2	489.3	488.1	486.7	486.9	486.5	486.7	485.5	484.7	483.7	484.6
57.5°	458.5	458.1	458.9	459.5	461.0	461.6	461.9	460.4	459.0	457.7	458.5
60°	432.6	433.2	435.2	436.9	439.1	440.1	440.7	439.9	438.9	437.8	438.4
62.5°	406.9	407.9	410.4	412.3	414.9	416.3	417.8	417.9	418.3	417.9	418.3
65°	377.2	378.4	380.6	382.2	384.7	385.9	387.5	387.8	388.7	388.5	389.2
67.5°	354.6	355.7	357.6	359.0	361.2	362.5	363.9	363.9	364.3	364.2	365.0
70°	330.5	331.1	332.8	334.0	336.2	337.5	339.0	339.5	340.5	340.6	341.4
72.5°	304.8	304.6	305.5	306.1	307.7	308.9	310.9	312.0	313.6	314.0	314.6
75°	276.9	276.6	277.8	278.3	279.7	280.7	283.0	284.4	287.1	288.1	287.8
77.5°	244.5	245.0	247.2	248.4	250.3	251.6	254.6	256.9	261.6	263.8	261.6
80°	208.3	208.8	211.1	212.3	214.7	216.3	219.7	222.4	226.6	227.5	226.3
82.5°	163.7	163.9	165.9	166.8	170.0	172.3	176.6	178.7	181.3	180.9	180.6
85°	111.6	113.1	115.7	118.3	122.3	126.0	130.0	133.2	131.0	134.5	130.5
87.5°	59.6	59.5	63.0	62.5	68.0	71.2	74.6	76.2	78.1	77.7	77.7
90°	53.7	51.1	49.4	46.7	45.4	42.6	41.5	38.8	37.9	35.0	38.7
92.5°	66.9	63.8	60.6	57.5	54.4	51.2	48.0	44.9	41.8	38.6	41.8
95°	82.2	79.3	76.5	73.6	70.6	67.8	64.9	62.0	59.1	56.2	59.8
97.5°	102.0	100.3	98.6	97.0	95.2	93.5	91.8	90.2	88.5	86.8	89.2
100°	115.3	115.3	115.3	115.3	115.2	115.2	115.2	115.2	115.2	115.2	117.1
102.5°	224.2	218.7	213.1	207.5	201.9	196.3	190.7	185.2	179.6	174.1	182.2
105°	511.4	489.7	467.9	446.2	424.3	402.6	380.8	359.1	337.3	315.6	338.1
107.5°	953.1	913.3	873.8	834.1	794.4	754.8	715.2	675.5	636.0	596.3	631.8
110°	1331.6	1289.5	1247.5	1205.5	1163.4	1121.3	1079.3	1037.3	995.3	953.2	987.0



TEST NUMBER: P1444369
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CANDELA DISTRIBUTION (continued):

	247.5°	250°	252.5°	255°	257.5°	260°	262.5°	265°	267.5°	270°	272.5°
112.5°	1484.1	1457.0	1430.0	1402.8	1375.8	1348.6	1321.6	1294.5	1267.5	1240.5	1256.9
115°	1462.8	1450.0	1437.1	1424.3	1411.4	1398.7	1385.8	1372.9	1360.1	1347.3	1348.3
117.5°	1339.5	1335.3	1331.1	1326.9	1322.8	1318.6	1314.4	1310.4	1306.2	1302.1	1292.9
120°	1162.1	1163.6	1165.1	1166.7	1168.3	1170.0	1171.5	1173.2	1174.9	1176.6	1164.3
122.5°	986.7	990.1	993.7	997.2	1000.6	1004.3	1007.8	1011.4	1015.1	1018.7	1006.4
125°	833.4	836.9	840.3	843.8	847.3	850.8	854.4	858.1	861.6	865.3	854.9
127.5°	721.8	723.4	724.8	726.2	727.7	729.4	731.0	732.5	734.2	736.1	729.5
130°	649.5	648.7	648.0	647.4	646.6	646.1	645.5	645.0	644.4	643.9	640.9
132.5°	605.7	603.5	601.4	599.0	596.9	594.9	592.9	590.9	588.9	587.0	586.0
135°	579.6	576.3	573.1	570.1	566.9	563.9	560.8	558.0	555.1	552.1	552.4
137.5°	560.0	556.9	553.7	550.6	547.4	544.5	541.4	538.4	535.6	532.8	533.6
140°	549.4	546.2	542.9	539.9	536.9	533.8	530.7	527.9	524.9	522.2	522.7
142.5°	536.5	533.7	530.6	527.9	525.1	522.3	519.5	516.9	514.2	511.7	512.3
145°	525.8	523.7	521.6	519.3	517.3	515.4	513.3	511.4	509.4	507.6	507.8
147.5°	512.8	511.3	509.5	508.0	506.5	505.0	503.5	502.1	500.6	499.3	499.4
150°	497.3	496.3	495.2	494.2	493.2	492.2	491.3	490.3	489.4	488.5	488.3
152.5°	481.7	480.7	479.7	478.7	477.8	476.8	475.8	474.9	474.1	473.1	473.0
155°	463.8	463.3	462.8	462.4	461.9	461.5	461.0	460.8	460.3	459.9	459.9
157.5°	452.3	452.1	451.8	451.8	451.5	451.4	451.1	451.1	450.8	450.8	450.9
160°	445.1	444.7	444.2	444.0	443.5	443.1	442.6	442.4	442.0	441.6	441.9
162.5°	437.7	437.9	437.9	438.0	438.1	438.2	438.3	438.4	438.5	438.7	438.8
165°	435.1	434.9	434.7	434.5	434.4	434.2	434.1	434.0	433.8	433.8	434.1
167.5°	430.4	430.6	430.9	431.1	431.3	431.8	432.1	432.4	432.7	433.1	433.4
170°	429.9	429.9	429.9	429.9	429.9	430.0	430.0	430.0	430.1	430.2	430.4
172.5°	431.5	431.5	431.4	431.5	431.4	431.5	431.5	431.5	431.5	431.7	431.9
175°	430.6	430.9	431.2	431.4	431.7	432.0	432.2	432.4	432.7	432.9	432.9
177.5°	431.5	431.5	431.5	431.5	431.5	431.7	431.7	431.7	431.7	431.5	431.8
180°	431.4	431.4	431.4	431.4	431.4	431.4	431.4	431.4	431.4	431.4	431.4



TEST NUMBER: P1444369
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CANDELA DISTRIBUTION (continued):

	275°	277.5°	280°	282.5°	285°	287.5°	290°	292.5°	295°	297.5°	300°
0°	10695.2	10695.2	10695.2	10695.2	10695.2	10695.2	10695.2	10695.2	10695.2	10695.2	10695.2
2.5°	10829.1	10823.6	10829.2	10823.6	10829.2	10822.5	10827.1	10819.8	10821.6	10814.1	10816.0
5°	11238.5	11230.0	11234.5	11223.3	11224.5	11209.5	11209.3	11191.8	11187.2	11167.3	11158.6
7.5°	11569.7	11566.9	11568.5	11561.2	11560.4	11550.1	11545.3	11530.9	11521.8	11503.5	11491.0
10°	11517.2	11525.7	11527.9	11536.5	11538.3	11546.8	11548.6	11557.1	11558.9	11565.2	11565.3
12.5°	10993.1	11021.7	11028.6	11064.0	11078.9	11119.4	11141.1	11185.8	11212.2	11256.8	11284.2
15°	9983.1	10032.8	10052.6	10121.7	10159.9	10240.6	10291.3	10384.0	10449.4	10547.8	10618.0
17.5°	8593.2	8662.6	8693.8	8787.6	8848.7	8967.9	9053.7	9195.0	9303.2	9460.2	9584.7
20°	7052.0	7129.0	7171.5	7278.3	7350.6	7489.7	7596.9	7770.5	7915.3	8114.4	8284.5
22.5°	5560.9	5634.2	5681.3	5790.0	5871.4	6016.5	6136.3	6319.6	6481.8	6706.0	6910.0
25°	4269.7	4336.9	4379.5	4477.8	4554.2	4687.6	4801.9	4978.2	5137.0	5361.9	5571.1
27.5°	3264.1	3320.4	3361.5	3445.3	3512.6	3625.7	3724.0	3869.7	4006.5	4201.1	4387.4
30°	2499.0	2548.8	2588.8	2661.8	2724.3	2822.4	2908.7	3031.1	3144.3	3299.1	3447.3
32.5°	1909.6	1952.5	1988.1	2052.1	2108.7	2197.0	2274.9	2382.1	2479.3	2610.6	2732.6
35°	1456.0	1540.4	1534.5	1622.8	1636.9	1700.3	1769.8	1863.5	1949.6	2061.3	2165.0
37.5°	1130.1	1153.9	1179.3	1218.3	1259.3	1316.9	1375.7	1490.2	1532.3	1616.6	1702.5
40°	911.3	927.4	944.2	970.6	999.2	1039.9	1082.6	1137.2	1193.2	1261.7	1331.6
42.5°	770.5	779.6	790.2	805.7	823.4	849.2	877.7	914.8	953.8	1001.9	1051.1
45°	688.3	684.0	687.2	695.5	706.2	721.8	739.9	762.8	788.2	819.4	852.6
47.5°	611.9	613.6	614.5	619.0	624.8	635.3	646.2	661.8	691.9	701.0	719.1
50°	561.3	562.1	561.8	564.1	567.1	573.8	580.9	591.5	602.0	616.0	629.3
52.5°	518.9	520.0	519.9	521.5	523.0	527.3	531.7	539.2	546.2	555.1	562.6
55°	485.4	487.0	487.8	489.0	489.8	492.0	493.8	497.3	500.3	505.3	509.9
57.5°	459.7	461.9	462.9	463.4	462.5	462.4	461.8	462.5	463.1	465.9	468.5
60°	439.4	441.2	441.5	441.2	439.6	438.4	436.5	435.9	435.6	436.9	438.3
62.5°	418.2	418.9	418.4	417.9	416.0	414.9	412.9	412.2	411.5	412.5	413.2
65°	389.0	389.5	389.0	388.6	387.0	385.9	384.3	383.7	382.8	383.0	382.9
67.5°	365.1	365.7	365.3	364.8	363.6	363.0	361.8	361.0	359.9	359.4	358.6
70°	341.3	341.7	341.1	340.6	339.3	338.8	337.7	337.4	336.5	336.3	335.4
72.5°	314.0	314.1	313.1	312.9	311.9	311.8	311.4	311.8	311.8	312.2	312.0
75°	286.2	285.7	284.5	284.3	283.5	283.9	283.4	284.1	284.1	285.1	285.3
77.5°	258.1	256.7	254.4	253.4	251.8	251.6	250.7	251.3	251.1	252.4	252.9
80°	222.8	221.0	218.0	216.7	214.9	214.6	213.8	214.6	214.2	215.6	216.6
82.5°	177.9	176.3	173.3	172.2	170.1	170.3	169.4	170.3	170.2	172.2	173.4
85°	131.6	130.6	127.4	124.7	121.7	119.9	118.2	117.9	117.2	118.2	118.9
87.5°	76.0	75.1	72.6	71.0	65.7	65.9	63.8	63.7	63.2	62.7	63.8
90°	40.4	43.8	45.6	48.9	50.9	54.4	56.4	59.8	62.3	66.3	68.9
92.5°	44.9	48.0	51.2	54.4	57.5	60.6	63.8	66.9	73.7	80.3	87.2
95°	63.5	67.1	70.7	74.3	77.9	81.5	85.2	88.8	98.7	108.6	118.5
97.5°	91.6	94.0	96.5	98.9	101.3	103.7	106.1	108.6	119.2	129.9	140.5
100°	119.1	121.0	122.9	124.9	126.8	128.7	130.7	132.6	153.3	173.7	194.3
102.5°	190.5	198.7	206.9	215.1	223.5	231.7	239.9	248.1	295.2	342.4	389.5
105°	360.5	383.0	405.6	428.0	450.5	473.0	495.4	517.9	593.3	668.7	744.1
107.5°	667.4	702.9	738.4	773.9	809.4	844.9	880.5	916.1	989.5	1063.1	1136.5
110°	1020.8	1054.6	1088.4	1122.4	1156.2	1190.0	1223.8	1257.7	1301.8	1345.8	1389.8



TEST NUMBER: P1444369
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CANDELA DISTRIBUTION (continued):

	275°	277.5°	280°	282.5°	285°	287.5°	290°	292.5°	295°	297.5°	300°
112.5°	1273.4	1289.7	1306.2	1322.7	1339.1	1355.6	1372.0	1388.6	1410.5	1432.3	1454.2
115°	1349.3	1350.3	1351.3	1352.4	1353.3	1354.4	1355.4	1356.5	1363.3	1369.8	1376.6
117.5°	1283.8	1274.7	1265.5	1256.5	1247.4	1238.3	1229.3	1220.3	1218.5	1216.8	1214.9
120°	1152.2	1139.9	1127.7	1115.2	1103.1	1090.9	1078.8	1066.7	1060.2	1053.6	1047.1
122.5°	994.2	981.9	969.7	957.4	945.2	933.1	921.1	909.0	904.3	899.3	894.7
125°	844.5	834.3	824.1	813.8	803.7	793.5	783.4	773.3	772.4	771.4	770.6
127.5°	723.2	716.7	710.3	704.1	697.7	691.5	685.3	679.1	680.9	682.7	684.5
130°	637.9	634.9	632.0	628.9	626.2	623.4	620.5	617.7	621.5	625.2	629.1
132.5°	585.3	584.5	583.8	583.0	582.4	581.8	581.2	580.6	585.1	589.5	594.0
135°	552.8	553.2	553.8	554.2	554.9	555.4	556.1	556.6	560.9	565.0	569.4
137.5°	534.5	535.3	536.3	537.3	538.3	539.3	540.4	541.4	544.8	548.0	551.2
140°	523.4	523.9	524.7	525.4	526.2	526.9	527.8	528.5	531.1	533.6	536.1
142.5°	512.9	513.4	514.2	514.9	515.7	516.3	517.1	517.9	519.6	521.4	523.2
145°	508.3	508.6	509.1	509.5	510.0	510.6	511.1	511.6	512.6	513.4	514.4
147.5°	499.5	499.6	499.8	500.0	500.3	500.5	500.7	500.9	501.3	501.8	502.3
150°	488.2	488.1	488.1	487.9	487.9	487.9	487.9	487.8	488.2	488.7	489.1
152.5°	472.9	472.8	472.6	472.5	472.4	472.4	472.2	472.2	472.6	473.1	473.5
155°	460.1	460.2	460.4	460.5	460.7	460.8	461.0	461.1	461.3	461.4	461.6
157.5°	451.0	451.1	451.3	451.4	451.6	451.7	451.8	452.0	452.2	452.3	452.4
160°	442.3	442.7	443.1	443.6	443.9	444.2	444.7	445.0	445.2	445.3	445.5
162.5°	439.0	439.1	439.3	439.4	439.5	439.7	439.8	440.0	440.4	440.8	441.1
165°	434.5	434.9	435.3	435.6	436.0	436.4	436.8	437.2	437.3	437.4	437.6
167.5°	433.8	434.1	434.6	434.9	435.4	435.7	436.2	436.5	436.6	436.7	436.9
170°	430.9	431.2	431.7	432.0	432.4	432.7	433.2	433.4	433.8	434.2	434.5
172.5°	432.3	432.5	432.9	433.1	433.5	433.8	434.2	434.5	434.8	435.2	435.4
175°	432.9	432.9	432.9	433.0	433.0	433.0	433.0	433.1	433.2	433.2	433.2
177.5°	432.1	432.3	432.5	432.8	433.0	433.2	433.5	433.7	433.7	433.7	433.7
180°	431.4	431.4	431.4	431.4	431.4	431.4	431.4	431.4	431.4	431.4	431.4



TEST NUMBER: P1444369
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CANDELA DISTRIBUTION (continued):

	302.5°	305°	307.5°	310°	312.5°	315°	317.5°	320°	322.5°	325°	327.5°
0°	10695.2	10695.2	10695.2	10695.2	10695.2	10695.2	10695.2	10695.2	10695.2	10695.2	10695.2
2.5°	10808.4	10808.9	10800.2	10799.7	10791.6	10790.5	10782.6	10780.2	10773.7	10771.4	10764.7
5°	11136.3	11125.7	11101.2	11086.8	11062.5	11046.4	11020.2	11003.0	10977.7	10958.6	10933.1
7.5°	11468.0	11451.5	11424.0	11401.6	11368.0	11341.2	11301.8	11269.5	11226.8	11189.9	11145.1
10°	11565.3	11562.7	11555.7	11545.5	11529.8	11512.3	11485.4	11457.5	11420.2	11379.5	11329.8
12.5°	11325.9	11351.8	11387.1	11408.0	11433.3	11444.5	11454.9	11452.3	11445.4	11424.9	11396.2
15°	10719.7	10792.3	10888.4	10963.0	11048.8	11111.0	11179.8	11222.7	11265.5	11285.3	11297.4
17.5°	9755.2	9892.7	10065.2	10208.1	10372.9	10505.4	10650.5	10759.8	10872.2	10952.7	11025.4
20°	8516.5	8715.6	8959.5	9174.9	9425.5	9643.1	9881.7	10077.6	10279.5	10437.4	10586.9
22.5°	7172.8	7409.4	7704.2	7977.3	8300.2	8590.4	8917.9	9202.9	9500.4	9749.1	9989.4
25°	5851.5	6110.9	6433.3	6738.0	7103.8	7441.4	7829.7	8184.9	8569.5	8903.4	9233.3
27.5°	4644.9	4899.7	5228.8	5553.1	5939.9	6299.6	6715.7	7107.1	7545.0	7948.8	8361.9
30°	3653.3	3869.3	4164.4	4478.6	4860.1	5226.1	5646.8	6049.2	6504.7	6945.7	7411.0
32.5°	2894.4	3059.0	3291.1	3556.6	3908.6	4257.1	4657.5	5046.1	5494.7	5940.1	6424.1
35°	2298.7	2427.0	2603.9	2811.3	3109.3	3409.7	3764.0	4117.2	4535.8	4958.4	5428.8
37.5°	1812.7	1916.8	2055.3	2211.1	2450.2	2696.7	2987.1	3280.1	3643.7	4018.3	4444.6
40°	1415.4	1499.8	1607.6	1723.8	1904.3	2094.3	2318.9	2546.0	2838.2	3144.4	3497.2
42.5°	1111.9	1174.2	1250.4	1335.2	1503.6	1604.5	1756.9	1921.1	2136.0	2358.2	2623.5
45°	893.0	935.4	988.3	1045.2	1123.4	1208.9	1313.2	1422.7	1626.7	1726.8	1888.1
47.5°	745.8	774.2	807.9	843.7	889.8	939.6	1001.4	1064.7	1146.5	1231.3	1330.7
50°	646.6	675.5	687.1	705.7	732.3	760.8	795.7	830.5	874.4	918.9	970.1
52.5°	573.0	582.4	595.0	606.8	623.3	655.6	666.1	684.3	708.9	733.0	759.9
55°	516.7	522.9	531.0	538.2	548.2	557.8	571.5	583.7	600.1	614.6	632.4
57.5°	473.0	477.0	482.6	487.2	493.7	499.2	507.2	513.8	523.3	531.4	542.2
60°	441.2	443.9	447.6	450.7	454.8	457.6	461.6	464.7	469.7	473.8	479.9
62.5°	415.2	416.6	419.1	420.9	423.5	424.9	427.0	428.4	431.1	433.3	436.6
65°	384.1	384.4	386.0	386.9	388.9	389.7	391.4	392.0	394.3	395.8	398.8
67.5°	358.6	357.9	357.9	357.3	357.6	357.0	357.2	356.5	357.4	357.9	360.1
70°	335.3	334.3	334.0	332.9	332.6	331.5	331.2	330.1	330.0	329.7	330.5
72.5°	312.6	312.3	312.4	311.6	311.5	310.8	310.8	310.4	310.9	311.1	312.1
75°	286.5	286.5	287.1	286.4	286.6	286.0	286.2	285.5	285.8	285.7	286.8
77.5°	254.7	255.4	256.8	256.5	256.9	256.2	256.5	255.7	256.0	255.4	255.8
80°	218.9	220.5	222.3	222.3	223.1	222.5	223.2	222.5	222.8	221.8	221.6
82.5°	176.5	177.8	179.8	179.8	181.6	181.9	183.8	183.7	184.9	184.2	183.6
85°	120.6	121.5	123.3	124.2	126.0	127.1	129.0	129.8	128.3	130.9	129.0
87.5°	63.0	65.3	64.0	67.1	66.4	69.4	68.8	71.6	71.0	73.6	73.3
90°	73.4	76.3	80.7	83.6	88.6	91.8	90.0	86.3	84.5	80.7	79.0
92.5°	93.8	100.8	107.6	114.3	121.1	127.8	121.6	115.3	109.0	102.7	96.5
95°	128.3	138.3	148.2	158.1	168.0	177.9	167.3	156.6	146.0	135.4	124.7
97.5°	151.0	161.7	172.3	182.9	193.6	204.2	191.6	179.1	166.5	154.1	141.5
100°	214.8	235.4	255.9	276.5	297.0	317.6	294.2	270.7	247.4	224.0	200.5
102.5°	436.7	483.7	530.8	578.1	625.2	672.3	622.6	572.9	523.1	473.3	423.6
105°	819.5	895.0	970.4	1045.8	1121.2	1196.7	1116.1	1035.4	954.7	874.1	793.5
107.5°	1210.1	1283.4	1357.1	1430.6	1504.1	1577.7	1495.8	1414.0	1332.2	1250.4	1168.5
110°	1433.9	1478.0	1522.1	1566.1	1610.2	1654.4	1594.5	1534.7	1475.0	1415.0	1355.2



TEST NUMBER: P1444369
 CATALOG NUMBER: EHBR1-12-UNV-TA-L840-UPL40

CANDELA DISTRIBUTION (continued):

	302.5°	305°	307.5°	310°	312.5°	315°	317.5°	320°	322.5°	325°	327.5°
112.5°	1476.0	1498.0	1519.8	1541.8	1563.5	1585.5	1542.7	1499.9	1456.8	1414.0	1371.1
115°	1383.3	1389.9	1396.7	1403.4	1410.1	1416.8	1387.7	1358.7	1329.6	1300.5	1271.4
117.5°	1213.2	1211.6	1209.9	1208.2	1206.4	1204.7	1188.3	1171.9	1155.2	1138.8	1122.2
120°	1040.7	1034.0	1027.6	1021.1	1014.5	1008.1	1000.8	993.6	986.2	978.9	971.6
122.5°	889.8	885.1	880.4	875.6	870.7	865.9	862.7	859.7	856.4	853.3	850.1
125°	769.8	768.9	767.9	767.0	766.1	765.2	763.3	761.4	759.5	757.6	755.5
127.5°	686.2	688.1	689.9	691.7	693.5	695.2	694.2	693.4	692.4	691.5	690.5
130°	632.7	636.6	640.2	644.0	647.6	651.4	650.0	648.6	647.2	645.8	644.3
132.5°	598.5	602.9	607.3	611.9	616.2	620.6	619.0	617.4	615.7	614.2	612.5
135°	573.5	577.8	581.9	586.2	590.3	594.4	592.5	590.7	588.7	586.9	585.0
137.5°	554.4	557.8	560.9	564.0	567.3	570.5	568.5	566.7	564.7	562.9	561.0
140°	538.5	541.0	543.3	546.0	548.3	550.8	548.6	546.5	544.3	542.1	540.0
142.5°	524.8	526.6	528.2	529.9	531.6	533.4	530.6	528.0	525.3	522.7	520.0
145°	515.4	516.4	517.3	518.3	519.1	520.1	517.1	514.3	511.3	508.3	505.3
147.5°	502.7	503.2	503.5	503.9	504.3	504.8	502.0	499.3	496.5	493.7	491.0
150°	489.4	490.0	490.3	490.6	491.1	491.4	488.6	485.8	483.0	480.2	477.6
152.5°	473.9	474.3	474.7	475.0	475.4	475.7	473.2	470.6	468.1	465.5	462.8
155°	461.7	461.9	462.0	462.1	462.2	462.3	460.1	458.1	456.0	453.8	451.6
157.5°	452.5	452.7	452.8	452.9	453.0	453.1	451.4	449.8	448.2	446.6	444.9
160°	445.6	445.7	445.8	445.9	446.0	446.1	444.7	443.3	441.9	440.5	439.0
162.5°	441.5	441.9	442.3	442.5	443.1	443.3	441.6	440.0	438.4	436.7	435.0
165°	437.7	437.8	437.9	438.0	438.1	438.2	437.0	435.9	434.7	433.6	432.5
167.5°	437.0	437.1	437.2	437.3	437.3	437.4	436.3	435.2	434.0	432.8	431.5
170°	434.8	435.2	435.5	435.7	436.1	436.3	435.4	434.5	433.5	432.7	431.7
172.5°	435.7	436.1	436.3	436.6	436.9	437.2	436.2	435.3	434.3	433.4	432.4
175°	433.2	433.3	433.4	433.4	433.4	433.4	432.7	432.0	431.2	430.5	429.7
177.5°	433.7	433.7	433.7	433.7	433.7	433.7	433.2	432.7	432.3	431.8	431.1
180°	431.4	431.4	431.4	431.4	431.4	431.4	431.4	431.4	431.4	431.4	431.4



TEST NUMBER: P1444369
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CANDELA DISTRIBUTION (continued):

	330°	332.5°	335°	337.5°	340°	342.5°	345°	347.5°	350°	352.5°	355°
0°	10695.2	10695.2	10695.2	10695.2	10695.2	10695.2	10695.2	10695.2	10695.2	10695.2	10695.2
2.5°	10762.4	10757.8	10754.7	10750.9	10748.6	10745.5	10743.4	10741.5	10740.0	10738.6	10737.6
5°	10913.7	10889.7	10871.1	10850.8	10834.2	10817.6	10804.9	10794.3	10787.0	10781.5	10778.2
7.5°	11106.5	11062.4	11023.2	10982.0	10945.0	10908.7	10877.4	10850.4	10830.1	10817.0	10809.1
10°	11278.5	11219.6	11161.3	11099.9	11041.7	10985.3	10933.1	10887.3	10851.1	10827.0	10812.9
12.5°	11355.6	11305.4	11245.9	11179.2	11108.0	11035.8	10965.5	10902.0	10848.9	10813.2	10792.5
15°	11287.7	11267.1	11226.6	11175.0	11107.3	11032.7	10950.2	10872.5	10801.1	10754.8	10728.0
17.5°	11066.7	11095.5	11092.4	11072.7	11023.9	10961.2	10877.0	10789.8	10700.5	10638.7	10604.9
20°	10693.8	10784.3	10830.1	10853.7	10834.5	10793.9	10717.7	10629.2	10525.2	10444.4	10395.0
22.5°	10169.7	10329.4	10429.0	10501.8	10517.2	10503.4	10436.1	10351.9	10235.9	10138.8	10066.0
25°	9495.1	9729.1	9886.4	10009.7	10057.6	10069.9	10012.7	9929.1	9799.7	9686.6	9586.5
27.5°	8700.5	9004.5	9214.5	9380.2	9455.0	9487.4	9434.8	9349.4	9196.3	9061.3	8930.7
30°	7805.9	8166.6	8419.5	8618.2	8709.3	8752.2	8696.2	8600.9	8422.8	8260.3	8095.7
32.5°	6848.4	7243.1	7518.7	7734.4	7824.7	7865.1	7791.8	7684.8	7479.0	7287.6	7095.6
35°	5845.9	6244.3	6522.2	6732.2	6807.9	6832.2	6738.6	6614.9	6386.9	6176.8	5967.4
37.5°	4823.0	5193.7	5446.3	5634.7	5681.6	5685.7	5572.9	5436.3	5196.7	4989.5	4781.1
40°	3809.0	4121.6	4325.5	4476.3	4492.6	4478.0	4355.4	4217.9	3993.7	3808.2	3625.2
42.5°	2853.8	3089.8	3235.3	3338.6	3332.4	3303.8	3191.4	3073.1	2888.2	2746.8	2602.9
45°	2035.5	2191.0	2276.1	2336.6	2317.2	2289.8	2202.3	2119.5	1993.8	1902.5	1805.8
47.5°	1414.1	1599.9	1567.5	1685.8	1583.9	1651.2	1511.1	1433.8	1367.1	1318.6	1263.9
50°	1012.3	1054.9	1075.5	1089.5	1082.1	1071.8	1046.5	1024.0	993.6	971.4	945.4
52.5°	781.8	803.1	814.8	823.2	821.5	817.8	806.8	796.8	782.5	773.1	761.8
55°	662.2	662.5	684.0	674.8	688.3	672.5	678.8	661.1	663.9	648.8	638.6
57.5°	550.3	559.0	562.9	566.8	565.6	565.0	560.8	558.6	553.8	552.3	548.9
60°	484.0	488.7	489.6	491.3	489.9	489.3	485.9	484.7	481.6	481.0	478.7
62.5°	438.6	440.9	440.9	440.9	439.1	437.2	433.6	431.7	428.9	428.3	427.0
65°	400.8	403.2	403.6	404.1	402.7	401.3	398.1	395.9	393.1	392.0	390.5
67.5°	361.6	364.1	365.1	366.4	365.6	365.3	363.0	362.2	360.4	359.9	358.6
70°	330.9	332.0	331.9	331.9	330.1	328.5	326.0	324.8	322.8	322.4	321.2
72.5°	312.6	313.4	312.9	312.2	310.0	307.6	304.6	302.4	299.9	298.4	296.5
75°	286.9	287.9	287.3	286.9	284.8	283.3	280.9	279.7	277.9	277.4	276.2
77.5°	255.3	255.8	254.8	254.7	253.1	252.1	250.3	250.0	248.7	248.7	247.5
80°	220.2	219.9	218.2	217.8	216.3	215.9	214.5	214.6	213.6	214.0	213.2
82.5°	181.1	180.1	178.0	177.4	175.6	175.4	174.5	175.3	174.6	175.6	175.0
85°	129.9	130.1	129.2	129.2	128.6	128.7	128.7	129.3	129.4	130.3	130.2
87.5°	72.3	73.5	73.3	74.2	74.2	75.2	75.6	77.1	77.3	78.8	78.8
90°	75.3	73.7	69.9	68.3	66.4	66.4	64.8	64.8	63.0	62.8	60.5
92.5°	90.2	83.8	77.6	71.3	68.2	65.0	62.0	58.6	55.6	52.4	49.1
95°	114.1	103.5	92.8	82.2	78.6	75.0	71.3	67.7	64.2	60.5	56.9
97.5°	129.0	116.3	103.8	91.2	88.1	85.0	81.7	78.6	75.4	72.2	69.1
100°	177.1	153.7	130.2	106.8	104.1	101.4	98.8	96.2	93.4	90.7	88.1
102.5°	373.9	324.1	274.3	224.6	215.2	205.7	196.4	186.9	177.4	168.0	158.6
105°	712.9	632.1	551.5	470.8	445.2	419.5	394.0	368.4	342.8	317.1	291.6
107.5°	1086.6	1004.7	922.9	841.0	793.7	746.4	698.9	651.6	604.3	557.0	509.5
110°	1295.4	1235.5	1175.7	1115.8	1077.7	1039.6	1001.3	963.2	925.1	886.9	848.7



TEST NUMBER: P1444369
 CATALOG NUMBER: EHBR1-12-UNV-TA-L840-UPL40

CANDELA DISTRIBUTION (continued):

	330°	332.5°	335°	337.5°	340°	342.5°	345°	347.5°	350°	352.5°	355°
112.5°	1328.2	1285.2	1242.3	1199.3	1182.0	1164.6	1147.3	1130.0	1112.5	1095.2	1077.8
115°	1242.3	1213.1	1184.1	1154.8	1148.6	1142.4	1136.2	1130.0	1123.6	1117.4	1111.1
117.5°	1105.8	1089.1	1072.6	1056.1	1056.8	1057.6	1058.5	1059.3	1060.1	1060.8	1061.6
120°	964.3	956.9	949.6	942.3	947.2	952.2	957.2	962.1	966.9	971.8	976.6
122.5°	847.0	843.7	840.6	837.3	843.3	849.3	855.2	861.1	867.0	872.8	878.6
125°	753.7	751.7	749.8	747.8	753.7	759.8	765.7	771.6	777.5	783.4	789.1
127.5°	689.6	688.5	687.6	686.6	690.8	694.8	698.8	702.8	706.8	710.6	714.6
130°	642.9	641.5	640.1	638.7	642.3	645.9	649.5	652.9	656.6	659.9	663.3
132.5°	610.8	609.1	607.5	605.9	608.3	610.6	613.2	615.3	617.7	619.8	622.0
135°	583.2	581.2	579.4	577.5	579.6	581.8	584.0	586.0	588.0	590.0	592.1
137.5°	559.2	557.2	555.4	553.3	555.4	557.3	559.1	560.9	562.7	564.5	566.1
140°	537.9	535.7	533.6	531.3	533.0	534.7	536.3	537.9	539.5	540.9	542.4
142.5°	517.3	514.5	512.1	509.2	510.5	511.6	512.7	513.7	514.9	515.8	516.8
145°	502.4	499.4	496.4	493.5	494.3	495.1	496.1	496.9	497.7	498.4	499.3
147.5°	488.3	485.4	482.7	479.9	480.6	481.2	481.7	482.2	482.9	483.4	483.8
150°	474.6	471.8	469.1	466.2	466.8	467.4	467.8	468.4	468.9	469.4	469.8
152.5°	460.2	457.7	455.0	452.3	452.8	453.3	453.7	454.3	454.8	455.3	455.6
155°	449.5	447.3	445.2	443.0	443.5	444.0	444.4	444.8	445.2	445.7	446.0
157.5°	443.2	441.4	439.8	438.0	438.2	438.4	438.6	438.7	438.9	439.1	439.2
160°	437.6	436.2	434.7	433.2	433.3	433.6	433.7	433.8	434.0	434.0	434.1
162.5°	433.3	431.7	429.9	428.2	428.3	428.5	428.7	428.8	428.9	429.1	429.1
165°	431.2	430.0	428.8	427.5	427.5	427.4	427.4	427.2	427.1	427.0	426.8
167.5°	430.3	429.1	427.9	426.6	426.8	427.0	427.1	427.3	427.5	427.6	427.7
170°	430.7	429.6	428.7	427.7	427.6	427.6	427.5	427.4	427.3	427.2	427.1
172.5°	431.4	430.4	429.5	428.4	428.4	428.3	428.3	428.2	428.1	428.0	428.0
175°	429.0	428.3	427.5	426.8	426.7	426.7	426.7	426.6	426.5	426.5	426.4
177.5°	430.6	430.2	429.7	429.2	429.1	429.1	429.1	429.0	429.0	429.0	429.0
180°	431.4	431.4	431.4	431.4	431.4	431.4	431.4	431.4	431.4	431.4	431.4



TEST NUMBER: P1444369
 CATALOG NUMBER: EHBR1-12-UNV-TA-L840-UPL40

CANDELA DISTRIBUTION (continued):

	357.5°	360°
0°	10695.2	10695.2
2.5°	10736.7	10736.1
5°	10776.5	10775.9
7.5°	10806.9	10806.7
10°	10810.5	10812.3
12.5°	10788.9	10790.4
15°	10726.0	10728.9
17.5°	10605.5	10609.3
20°	10398.0	10402.1
22.5°	10062.1	10063.8
25°	9573.6	9566.7
27.5°	8907.8	8895.7
30°	8061.2	8049.6
32.5°	7051.9	7044.6
35°	5915.8	5911.2
37.5°	4719.6	4710.3
40°	3558.3	3531.3
42.5°	2539.9	2492.4
45°	1755.3	1699.1
47.5°	1225.3	1190.6
50°	928.8	917.6
52.5°	756.9	754.2
55°	638.6	637.4
57.5°	549.7	549.3
60°	479.9	479.8
62.5°	427.8	428.0
65°	391.2	391.3
67.5°	358.9	358.7
70°	321.7	321.4
72.5°	295.9	295.5
75°	276.2	275.9
77.5°	247.9	247.5
80°	213.7	213.2
82.5°	175.8	175.2
85°	131.2	131.2
87.5°	80.2	80.2
90°	60.2	57.9
92.5°	46.1	43.1
95°	53.3	49.6
97.5°	66.0	62.9
100°	85.4	82.7
102.5°	149.1	139.7
105°	266.0	240.3
107.5°	462.2	414.9
110°	810.5	772.4



TEST NUMBER: P1444369
CATALOG NUMBER: EHBR1-12-UNV-TA-L840-UPL40

CANDELA DISTRIBUTION (continued):

	357.5°	360°
112.5°	1060.4	1043.0
115°	1104.8	1098.5
117.5°	1062.3	1063.0
120°	981.4	986.2
122.5°	884.4	890.1
125°	794.9	800.6
127.5°	718.4	722.1
130°	666.4	669.9
132.5°	624.2	626.2
135°	593.9	595.7
137.5°	567.8	569.4
140°	543.8	545.2
142.5°	517.7	518.6
145°	500.0	500.6
147.5°	484.1	484.6
150°	470.2	470.6
152.5°	456.0	456.4
155°	446.3	446.7
157.5°	439.3	439.3
160°	434.2	434.3
162.5°	429.3	429.3
165°	426.6	426.5
167.5°	427.8	427.9
170°	427.0	426.9
172.5°	427.9	427.8
175°	426.4	426.4
177.5°	429.0	428.9
180°	431.4	431.4



TEST NUMBER: P1444369
 CATALOG NUMBER: EHBR1-12-UNV-TA-L840-UPL40

CIE UGR TABLE:

Reflectances:											
Ceiling		0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3
Wall		0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3
Reference plane		0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Room dimensions		Viewed crosswise					Viewed endwise				
X=2H	Y=2H	11.66	12.55	12.40	13.28	14.14	10.04	10.93	10.78	11.66	12.52
	3H	13.20	14.00	13.95	14.74	15.63	12.46	13.25	13.21	14.00	14.89
	4H	13.99	14.73	14.76	15.48	16.40	13.57	14.31	14.34	15.06	15.98
	6H	14.75	15.44	15.53	16.20	17.12	14.61	15.29	15.39	16.05	16.97
	8H	15.06	15.71	15.85	16.49	17.41	15.04	15.69	15.83	16.47	17.39
	12H	15.31	15.92	16.10	16.69	17.64	15.39	16.01	16.18	16.78	17.73
4H	2H	12.03	12.77	12.80	13.52	14.43	10.74	11.48	11.51	12.23	13.14
	3H	13.89	14.51	14.67	15.29	16.22	13.35	13.97	14.13	14.76	15.68
	4H	14.89	15.45	15.68	16.24	17.19	14.61	15.17	15.40	15.95	16.91
	6H	15.84	16.32	16.65	17.13	18.10	15.79	16.27	16.60	17.08	18.04
	8H	16.23	16.68	17.04	17.48	18.46	16.28	16.73	17.10	17.54	18.51
	12H	16.53	16.93	17.36	17.76	18.74	16.69	17.09	17.52	17.92	18.90
8H	4H	15.26	15.71	16.07	16.52	17.49	15.02	15.47	15.83	16.27	17.24
	6H	16.42	16.78	17.26	17.63	18.61	16.37	16.73	17.20	17.58	18.56
	8H	16.93	17.25	17.78	18.10	19.09	16.97	17.30	17.82	18.14	19.14
	12H	17.35	17.64	18.20	18.47	19.52	17.49	17.77	18.34	18.61	19.66
12H	4H	15.30	15.70	16.13	16.53	17.51	15.07	15.47	15.90	16.29	17.27
	6H	16.53	16.86	17.39	17.71	18.70	16.48	16.81	17.34	17.66	18.65
	8H	17.11	17.40	17.96	18.23	19.28	17.15	17.43	18.00	18.26	19.32

LM-79-2019: Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Report Prepared for

Cooper Lighting Solutions

Metalux

Report Number: SP1-2506-472-1

Test Date: 07/30/2025

Luminaire Tested: EHBR-60-L840-N

Data in this report applies to families of products including EHBR-60-L840-N

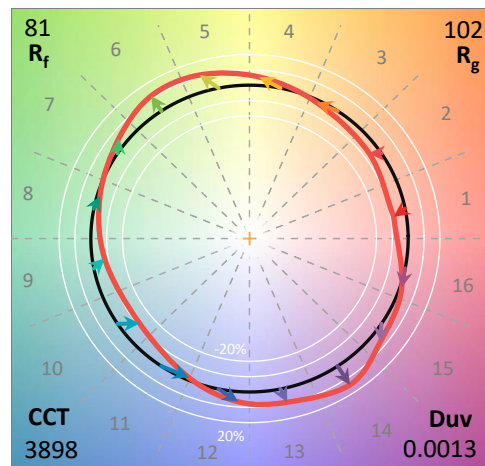
Test Information

Test Method: LM-79-2019
 Report Number: SP1-2506-472-1
 Test Lab: COOPER LIGHTING SOLUTIONS
 Photometer: SP1 - 76IN SPHERE
 Measurement Geometry: 4π
 Issue Date: 08/05/2025
 Manufacturer: COOPER LIGHTING SOLUTIONS
 Product Line: Metalux
 Catalog Number: **EHBR-60-L840-N**
 Description: Elevate Round Highbay at, 60000 lumens, 4000K 80CRI LEDs with N lens

Spectral Parameters

CCT (K): 3898
 CIE u': 0.2263
 CIE v': 0.5052
 Duv: 0.0013
 CIE x: 0.3861
 CIE y: 0.3831
 CIE z: 0.2308
 Peak Wavelength (nm): 630
 Dominant Wavelength (nm): 578
 Purity: 30.85729
 Rf: 80.7
 Rg: 102.1

CRI (Ra):	82.1		
R1:	84.4	R9:	38.5
R2:	83.5	R10:	58.9
R3:	80.8	R11:	83.6
R4:	83.9	R12:	54.2
R5:	82.1	R13:	82.8
R6:	77.3	R14:	88.2
R7:	86.4	R15:	81.2
R8:	78.3		



Test Conditions
 Stabilization Time: 42M
 Operation Time: 1H 42M
 Sphere Temperature (°C): 25.0

REPORT NUMBER: SP1-2506-472-1

Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	76INCH SPHERE IN0058	6/16/2025	12/16/2025
Power Meter	XITRON INXT2011004	1/21/2025	1/21/2026
AC Power Source	CHROMA 61603 IN0063	10/22/2024	10/22/2025
DC Power Source	AGILENT E3634A IN0208	10/22/2024	10/22/2025
Sphere Thermometer	ONSET IN0085	10/22/2024	10/22/2025
Room Thermometer	ONSET IN0046	10/22/2024	10/22/2025

REPORT NUMBER: SP1-2506-472-1

CIE 1931 Chromaticity Diagram



CIE 1931 Chromaticity Diagram with 2017 ANSI 7-Step and 4-Step Quadrangles



Point lies inside the ANSI 4000K 4-step quadrangle

REPORT NUMBER: SP1-2506-472-1

Photopic Flux vs. Wavelength



Photopic Lumens: NR

λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)
360	0	NR	490	60	NR	620	277	NR	750	6	NR	880	0	NR
365	0	NR	495	87	NR	625	278	NR	755	5	NR	885	0	NR
370	0	NR	500	124	NR	630	1000	NR	760	4	NR	890	0	NR
375	0	NR	505	168	NR	635	623	NR	765	4	NR	895	0	NR
380	1	NR	510	209	NR	640	162	NR	770	3	NR	900	0	NR
385	1	NR	515	246	NR	645	158	NR	775	3	NR	905	0	NR
390	2	NR	520	273	NR	650	134	NR	780	2	NR	910	0	NR
395	4	NR	525	292	NR	655	109	NR	785	2	NR	915	0	NR
400	5	NR	530	305	NR	660	91	NR	790	2	NR	920	0	NR
405	7	NR	535	313	NR	665	75	NR	795	2	NR	925	0	NR
410	11	NR	540	319	NR	670	70	NR	800	1	NR	930	0	NR
415	21	NR	545	323	NR	675	56	NR	805	1	NR	935	0	NR
420	42	NR	550	326	NR	680	47	NR	810	1	NR	940	0	NR
425	76	NR	555	330	NR	685	41	NR	815	1	NR	945	0	NR
430	125	NR	560	333	NR	690	35	NR	820	1	NR	950	0	NR
435	193	NR	565	336	NR	695	30	NR	825	1	NR	955	0	NR
440	302	NR	570	336	NR	700	26	NR	830	1	NR	960	0	NR
445	432	NR	575	335	NR	705	22	NR	835	1	NR	965	0	NR
450	380	NR	580	332	NR	710	19	NR	840	0	NR	970	0	NR
455	213	NR	585	326	NR	715	16	NR	845	0	NR	975	0	NR
460	147	NR	590	319	NR	720	14	NR	850	0	NR	980	0	NR
465	104	NR	595	307	NR	725	12	NR	855	0	NR	985	0	NR
470	65	NR	600	299	NR	730	10	NR	860	0	NR	990	0	NR
475	50	NR	605	291	NR	735	9	NR	865	0	NR	995	0	NR
480	46	NR	610	317	NR	740	8	NR	870	0	NR	1000	0	NR
485	47	NR	615	336	NR	745	7	NR	875	0	NR			

REPORT NUMBER: SP1-2506-472-1

Scotopic Flux vs. Wavelength



Scotopic Lumens: NR

S/P: 1.55

λ (nm)	Power W^{\wedge}/nm	Lumens (ϕ/nm)	λ (nm)	Power W^{\wedge}/nm	Lumens (ϕ/nm)	λ (nm)	Power W^{\wedge}/nm	Lumens (ϕ/nm)	λ (nm)	Power W^{\wedge}/nm	Lumens (ϕ/nm)	λ (nm)	Power W^{\wedge}/nm	Lumens (ϕ/nm)
360	0	NR	490	60	NR	620	277	NR	750	6	NR	880	0	NR
365	0	NR	495	87	NR	625	278	NR	755	5	NR	885	0	NR
370	0	NR	500	124	NR	630	1000	NR	760	4	NR	890	0	NR
375	0	NR	505	168	NR	635	623	NR	765	4	NR	895	0	NR
380	1	NR	510	209	NR	640	162	NR	770	3	NR	900	0	NR
385	1	NR	515	246	NR	645	158	NR	775	3	NR	905	0	NR
390	2	NR	520	273	NR	650	134	NR	780	2	NR	910	0	NR
395	4	NR	525	292	NR	655	109	NR	785	2	NR	915	0	NR
400	5	NR	530	305	NR	660	91	NR	790	2	NR	920	0	NR
405	7	NR	535	313	NR	665	75	NR	795	2	NR	925	0	NR
410	11	NR	540	319	NR	670	70	NR	800	1	NR	930	0	NR
415	21	NR	545	323	NR	675	56	NR	805	1	NR	935	0	NR
420	42	NR	550	326	NR	680	47	NR	810	1	NR	940	0	NR
425	76	NR	555	330	NR	685	41	NR	815	1	NR	945	0	NR
430	125	NR	560	333	NR	690	35	NR	820	1	NR	950	0	NR
435	193	NR	565	336	NR	695	30	NR	825	1	NR	955	0	NR
440	302	NR	570	336	NR	700	26	NR	830	1	NR	960	0	NR
445	432	NR	575	335	NR	705	22	NR	835	1	NR	965	0	NR
450	380	NR	580	332	NR	710	19	NR	840	0	NR	970	0	NR
455	213	NR	585	326	NR	715	16	NR	845	0	NR	975	0	NR
460	147	NR	590	319	NR	720	14	NR	850	0	NR	980	0	NR
465	104	NR	595	307	NR	725	12	NR	855	0	NR	985	0	NR
470	65	NR	600	299	NR	730	10	NR	860	0	NR	990	0	NR
475	50	NR	605	291	NR	735	9	NR	865	0	NR	995	0	NR
480	46	NR	610	317	NR	740	8	NR	870	0	NR	1000	0	NR
485	47	NR	615	336	NR	745	7	NR	875	0	NR			

REPORT NUMBER: SP1-2506-472-1

Melanopic Flux vs. Wavelength



Melanopic Lumens: NR

M/P: 2.99

λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)	λ (nm)	Power W [^] /nm	Lumens (φ/nm)
360	0	NR	490	60	NR	620	277	NR	750	6	NR	880	0	NR
365	0	NR	495	87	NR	625	278	NR	755	5	NR	885	0	NR
370	0	NR	500	124	NR	630	1000	NR	760	4	NR	890	0	NR
375	0	NR	505	168	NR	635	623	NR	765	4	NR	895	0	NR
380	1	NR	510	209	NR	640	162	NR	770	3	NR	900	0	NR
385	1	NR	515	246	NR	645	158	NR	775	3	NR	905	0	NR
390	2	NR	520	273	NR	650	134	NR	780	2	NR	910	0	NR
395	4	NR	525	292	NR	655	109	NR	785	2	NR	915	0	NR
400	5	NR	530	305	NR	660	91	NR	790	2	NR	920	0	NR
405	7	NR	535	313	NR	665	75	NR	795	2	NR	925	0	NR
410	11	NR	540	319	NR	670	70	NR	800	1	NR	930	0	NR
415	21	NR	545	323	NR	675	56	NR	805	1	NR	935	0	NR
420	42	NR	550	326	NR	680	47	NR	810	1	NR	940	0	NR
425	76	NR	555	330	NR	685	41	NR	815	1	NR	945	0	NR
430	125	NR	560	333	NR	690	35	NR	820	1	NR	950	0	NR
435	193	NR	565	336	NR	695	30	NR	825	1	NR	955	0	NR
440	302	NR	570	336	NR	700	26	NR	830	1	NR	960	0	NR
445	432	NR	575	335	NR	705	22	NR	835	1	NR	965	0	NR
450	380	NR	580	332	NR	710	19	NR	840	0	NR	970	0	NR
455	213	NR	585	326	NR	715	16	NR	845	0	NR	975	0	NR
460	147	NR	590	319	NR	720	14	NR	850	0	NR	980	0	NR
465	104	NR	595	307	NR	725	12	NR	855	0	NR	985	0	NR
470	65	NR	600	299	NR	730	10	NR	860	0	NR	990	0	NR
475	50	NR	605	291	NR	735	9	NR	865	0	NR	995	0	NR
480	46	NR	610	317	NR	740	8	NR	870	0	NR	1000	0	NR
485	47	NR	615	336	NR	745	7	NR	875	0	NR			

Summary

$R_f = 80.7$
 $R_g = 102.1$
 CIE $R_a = 82.1$
 $R_9 = 38.5$



Color Vector Graphics

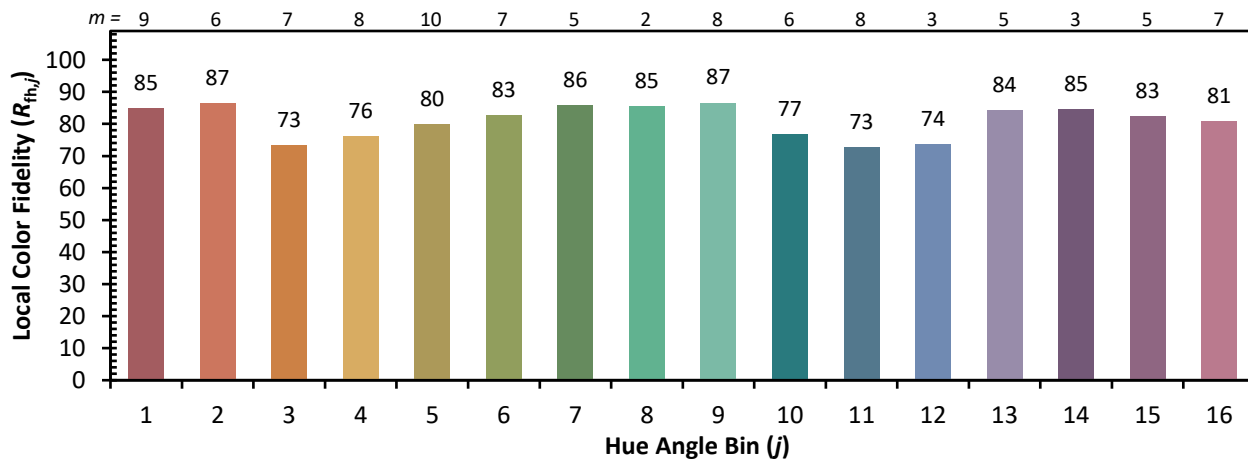


Individual Sample Fidelity Index ($R_{f,i}$)

CES01 = 85	CES26 = 69	CES51 = 90	CES76 = 58
CES02 = 61	CES27 = 89	CES52 = 90	CES77 = 76
CES03 = 31	CES28 = 83	CES53 = 80	CES78 = 60
CES04 = 69	CES29 = 66	CES54 = 91	CES79 = 85
CES05 = 48	CES30 = 76	CES55 = 89	CES80 = 79
CES06 = 50	CES31 = 69	CES56 = 79	CES81 = 81
CES07 = 41	CES32 = 62	CES57 = 77	CES82 = 91
CES08 = 40	CES33 = 74	CES58 = 79	CES83 = 88
CES09 = 29	CES34 = 72	CES59 = 93	CES84 = 89
CES10 = 74	CES35 = 84	CES60 = 95	CES85 = 84
CES11 = 57	CES36 = 98	CES61 = 92	CES86 = 82
CES12 = 63	CES37 = 77	CES62 = 89	CES87 = 81
CES13 = 43	CES38 = 83	CES63 = 80	CES88 = 86
CES14 = 74	CES39 = 94	CES64 = 80	CES89 = 79
CES15 = 71	CES40 = 88	CES65 = 77	CES90 = 85
CES16 = 47	CES41 = 89	CES66 = 74	CES91 = 83
CES17 = 49	CES42 = 74	CES67 = 72	CES92 = 77
CES18 = 56	CES43 = 73	CES68 = 78	CES93 = 86
CES19 = 71	CES44 = 98	CES69 = 83	CES94 = 69
CES20 = 65	CES45 = 82	CES70 = 69	CES95 = 80
CES21 = 86	CES46 = 82	CES71 = 64	CES96 = 86
CES22 = 78	CES47 = 80	CES72 = 88	CES97 = 83
CES23 = 91	CES48 = 79	CES73 = 60	CES98 = 81
CES24 = 90	CES49 = 80	CES74 = 98	CES99 = 83
CES25 = 71	CES50 = 89	CES75 = 62	



Color Rendition by Hue-Angle Bin



Measure Comparisons



(END OF REPORT)